776

10/29/01 MC

Delta Environmental Consultants, Inc.

3164 Gold Camp Drive, Suite 200
Rancho Cordova, California 95670
Phone: (916) 851-7342
Fax: (916) 638-8385

FAX TRANSMITTAL

DATE: 10/29/01

RECIPIENT: Amir Gholami

COMPANY: Alameda County Health Care Services Agency

RECIPIENT FAX NO: 510-337-9335

SENDER: Brett Bardsley

NO. OF PAGES TO FOLLOW: 1

SUBJECT: well search

DELTA PROJECT NO: DG 90-504

Urgent ☐ For Review ☐ Please Comment ☐ Per Request ☐ Please Reply ☐

Message:

Dear Mr. Gholami,

Thank you for helping me with this. Just sign and Fax back to me,

Request is made pursuant to Section 13751 of the California Water Code for permission to inspect or copy Water Well Driller's Reports, which are on file in your office.

In accordance with the requirements of Section 13752 of the Water Code, it is stipulated and agreed that such reports, or any copy or copies made thereof, will not be made available for inspection by the public but will be used solely by this governmental agency for making studies. If copies are made or taken, each copy will be stamped "CONFIDENTIAL" or "FOR OFFICIAL USE ONLY" and will be kept in a restricted file, access to which is limited to the staff of this governmental agency or to its contracted agents. Any copies furnished to contracted agents must be returned to the Department of Water Resources, Central District upon completion of work by the contracted agent.

No information contained in these reports can be disseminated or published without the written permission of the owner of the well.

Delta Environmental Consultants, Inc.	ALAMEDA County Environmental HEALTH
Contracted Agent	Governmental Agency
3164 Gold Camp Drive Suite 200	1131 HARBOR BAY PKWY
Address	Address
Rancho Cordova, CA 95670	ALAMEDA, CA 94502
City, State & Zip Code	City, State & Zip Code
By: Brett Bardsley	By: AMIR K. GHOLAMI
Officer	Officer
Staff Geologist	HAZ MAT SPECIALIST
Title	Title
916-638-3164	510-567-6876
Telephone	Telephone
Brett Bardsley	
Signature	Signature
10/29/01	10/29/01
Date	Date

(For Department Information: _____copies sent_____)

DWR Well Search Form.doc

7493940204G

COM No.	REMOTE STATION	START TIME	DURATION	PAGES	RESULT	USER ID	REMARKS
609	19166388386	10-29 16:47	00'31	01/01	OK		

TRANSMIT REPORT

2001,10-29 16:47
510 337 9335
ALAMEDA CO EHS HAZ-OPS

To Eva Chu

Delta Environmental Consultants, Inc.

3164 Gold Camp Drive, Suite 200
Rancho Cordova, California 95670
Phone: (916) 851-7342
Fax: (916) 638-8385

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Urgent ☐ For Review ☐ Please Comment ☐ Per Request ☐ Please Reply ☐

Message:

Dear Mr. Gholami,

Thank you for helping me with this. Just sign and Fax back to me.

Amir,

When you were away, I signed the DWR form and faxed it to Brad Bardsley, per his request. This is for your files.

Eva

STATE OF CALIFORNIA
DEPARTMENT OF WATER RESOURCES
CENTRAL DISTRICT

3251 "S" Street - Sacramento - CA 95816 - (916) 227-7561

WELL DRILLER'S REPORTS
INSPECTION REQUEST AND AGREEMENT

Project: Chevron # 9-0504 Contract Number: _____

Township, Range and Section: _____ Address: 15900 Hesperian Blvd, San Lorenzo

County: Alameda Date: _____

Request is made pursuant to Section 13751 of the California Water Code for permission to inspect or copy Water Well Driller's Reports, which are on file in your office.

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No information contained in these reports can be disseminated or published without the written permission of the owner of the well.

Delta Environmental Consultants, Inc. Contracted Agent	Alameda Co. Environmental Health Governmental Agency
3164 Gold Camp Drive Suite 200 Address	1131 Harbor Bay Parkway Address
Rancho Cordova, CA 95670 City, State & Zip Code	Alameda, CA 94502 City, State & Zip Code
By: Brett Bardsley Officer	By: Eva CHW Officer
Staff Geologist Title	Haz Mat Specialist Title
916-638-2164 Telephone	510/567-6762 Telephone
Brett Bardsley Signature	 Signature
10/29/01 Date	11/01/01 Date

(For Department Information: _____ copies sent _____)

DWR Well Search Form.doc

STATE OF CALIFORNIA
DEPARTMENT OF WATER RESOURCES
CENTRAL DISTRICT
3251 "S" Street - Sacramento - CA 95816 - (916) 227-7561

WELL DRILLER'S REPORTS
INSPECTION REQUEST AND AGREEMENT

Project: Chevron # 9-0504 Contract Number: _____

Township, Range and Section: _____ Address: 15900 Hesperian Blvd, San Lorenzo

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No information contained in these reports can be disseminated or published without the written permission of the owner of the well.

Delta Environmental Consultants, Inc. Contracted Agent	Alameda County Environmental Health Governmental Agency
3164 Gold Camp Drive Suite 200 Address	1131 Harbor Bay Pkwy Address
Rancho Cordova, CA 95670 City, State & Zip Code	Alameda, CA 94502 City, State & Zip Code
By: Brett Bardsley Officer	By: Amir K. Gholami Officer
Staff Geologist Title	HAZ MAT Specialist Title
916-638-2164 Telephone	510-567-6876 Telephone
Brett Bardsley Signature	 Signature
10/29/01 Date	10/29/01 Date

(For Department Information: _____ copies sent _____)

DWR Well Search Form.doc

ALAMEDA COUNTY
HEALTH CARE SERVICES
AGENCY
DAVID J. KEARS, Agency Director

ENVIRONMENTAL HEALTH SERVICES
ENVIRONMENTAL PROTECTION
1131 Harbor Bay Parkway, Suite 250
Alameda, CA 94502-6577
(510) 567-6700
FAX (510) 337-9335

SR0000759

July 25, 2001

Mr. Tony Quijalvo
Chevron Products
P.O. Box 6004
San Ramon, CA 94583-0804

Re: CLOSURE OF UNDERGROUND STORAGE TANK

Dear Mr. Quijalvo:

Thank you for the analytical reports concerning the removal of the 1000 gallon waste oil underground storage tank at 15900 Hesperian Blvd, San Lorenzo, CA on June 8, 2001. The reports have been reviewed and it is our opinion that the tank was closed in compliance with Title 23 of the California Code of Regulations.

No further investigations or cleanup actions are required. Please be aware that further work may be required if conditions change or a water quality threat is discovered at this specific site.

If you have any further questions concerning this matter, please contact me at (510) 567-6762.

Sincerely,

eva chu
Hazardous Materials Specialist

email: Tom Bauhs, Chevron Products
Amir Gholami

chevron9-0504-1

ALAMEDA COUNTY ENVIRONMENTAL HEALTH / HAZARDOUS MATERIALS DIVISION
1131 HARBOR BAY PKWY., RM. 250, ALAMEDA, CA 94502-6577 (510)567-6700 FAX (510) 337-9355

HAZARDOUS WASTE GENERATOR INSPECTION REPORT

STID #:	FACILITY NAME: Chevron 9-0504 15900 Hesperian San Lorenzo	PG. 1 OF 1

SUPPLEMENTAL FORM

LEL-0% O_2-9.8% 1000 gallon F/G W.O. UST

Tank installed in 1994 - Tank in good condition no obvious breach except for rip done by backhoe.

One soil sample collected at ~11.0 feet bgs
Dark brown clay w/o odor
No GW encountered

Sm Analyze for TPHg, TPHd, TOG, HVOC, SVOC, BTEX, MtBE, metals (Cd, Cr, Pb, Ni, Zn)

PRINT NAME: EVA CHU	INSPECTED BY: JED Douglas
SIGNATURE:	DATE: 6/8/01

GEN/SUPP RPT(REV. 7/94) JNS /ECO

5

ALAMEDA COUNTY HEALTH CARE SERVICES AGENCY
ENVIRONMENTAL HEALTH SERVICES
1131 HARBOR BAY PARKWAY, RM 250
ALAMEDA, CA 94502-6577
PHONE # 510/567-6700

ACCEPTED

Underground Storage Tank Closure Permit Application
Alameda County Division of Hazardous Materials
1131 Harbor Bay Parkway, Suite 250
Alameda, CA 94502-6577

These closure/removal plans have been received and found to be acceptable and essentially meet the requirements of State and Local Health Laws. Changes to your closure plans indicated by this Department are to assure compliance with State and local laws. The project proposed herein is now released for issuance of any required building permits for construction/destruction.

One copy of the accepted plans must be on the job and available to all contractors and craftsmen involved with the removal.

Any changes or alterations of these plans and specifications must be submitted to this this Department and to the Fire and Building Inspections Department to determine if such changes meet the requirements of State and local laws.

Notify this Department at least 72 hours prior to the following required inspections:

✓ Removal of Tank(s) and Piping
✓ Sampling
✓ Final Inspection

Issuance of a) permit to operate, b) permanent site closure, is dependent on compliance with accepted plans and all applicable laws and regulations.

"THERE IS A FINANCIAL PENALTY FOR NOT OBTAINING THESE INSPECTIONS.

Contact Specialist: ROBERT WESTON 510 567-6781

MAY 3 0 2001

COMPLETE FORMS A+B

UNDERGROUND TANK CLOSURE PLAN

* * * Complete plan according to attached instructions * * *

1. Name of Business CHEVRON Products
   Business Owner or Contact Person (PRINT) TONY QUIJALVO
2. Site Address 15900 Hesperian Blvd.
   City San Lorenzo Zip 94580 Phone (925) 842-8602
3. Mailing Address 6001 BOLINGER CANYON RD BUILDING T
   City SAN RAMON Zip 94583-0804 Phone (925) 842-8602
4. Property Owner Chevron Products
   Business Name (if applicable) Chevron
   Address P.O. Box 6004
   City, State San Ramon, CA. Zip 94583
5. Generator name under which tank will be manifested
   CHEVRON PRODUCTS USA

   EPA ID# under which tank will be manifested CAD009466392

rev. 11/01/96
ust closure plan

6. Contractor WENDT CONSTRUCTION

Address P.O. Box 1403

City LODI CA 95241 Phone (209)-547-9310

License Type A, HAZ, C10, B ID# 723360

7. Consultant (if applicable) N/A

Address

City, State Phone

8. Main Contact Person for Investigation (if applicable)

Name Tony Quigley Title CHEVRON ENGINEER

Company CHEVRON PRODUCTS

Phone (925) 842-8622

9. Number of underground tanks being closed with this plan 1

Length of piping being removed under this plan UNKNOWN

Total number of underground tanks at this facility (**confirmed with owner or operator) 5

10. State Registered Hazardous Waste Transporters/Facilities (see instructions).

**** Underground storage tanks must be handled as hazardous waste ****

a) Product/Residual Sludge/Rinsate Transporter

Name E.C.I. EPA I.D. No. CAD009466392

Hauler License No. 1533 License Exp. Date 3/02

Address 255 PARR AVE

City RICHMOND State CA Zip 94801

b) Product/Residual Sludge/Rinsate Disposal Site

Name Evergreen oil EPA ID# CAD980887418

Address 6880 Smith Ave

City NEWARK State CA. Zip 94560

Before tanks are pumped out and inerted, all associated piping must be flushed back into the tank(s). All accessible piping must then be removed. Inaccessible piping must be permanently plugged using grout.

The Bay Area Air Quality Management District, 415/771-6000, along with local Fire and Building Departments, must also be contacted for tank removal permits. Fire departments typically require the use of a combustible gas indicator to verify tank inertness. **It is the contractor's responsibility to have a functional combustible gas indicator on-site to verify that the tank(s) is inerted.**

15. Tank History and Sampling Information *** (see instructions) ***

Tank		Material to be sampled (tank contents, soil, groundwater)	Location and Depth of Samples
Capacity	Use History include date last used (estimated)		
1000 GAL	UNKNOWN Wkste Oil	Soil	below each end of Tank

One soil sample must be collected for every 20 linear feet of piping that is removed. A ground water sample must be collected if any ground water is present in the excavation.

c) Tank and Piping Transporter

Name E.C.I EPA I.D. No. CAD009466392

Hauler License No. 1533 License Exp. Date 4/2002

Address 255 PARR AVE

City RICHMOND State CA Zip 94801

d) Tank and Piping Disposal Site

Name E.C.I. EPA I.D. No. CAD009466392

Address 255 PARR AVE

City RICHMOND State CA Zip 94801

11. Sample Collector

Name DELTA ENVIRONMENTAL

Company Michael Berrington

Address 3164 Gold Camp Dr. Suite # 200

City Rancho Cordova State CA Zip 95670 Phone (916)851-7342

12. Laboratory

Name Sequoia Ana. Labs

Address 819 Striker Ave Suite #8

City ~~SACTO.~~ State CA. Zip 95834

State Certification No. 1624

13. Have tanks or pipes leaked in the past? Yes[ ] No[ ] Unknown[X]

If yes, describe. WASTE OIL TANK

1000 GALLON TANK -

14. Describe methods to be used for rendering tank(s) inert:

30LBS PER 1000 OF DRY ICE TO INERT TANK.

Excavated/Stockpiled Soil	
Stockpiled Soil Volume (estimated) 3 YARDS	Sampling Plan DEPENDS ON DISPOSITION

Stockpiled soil must be placed on bermed plastic and must be completely covered by plastic sheeting.

Will the excavated soil be returned to the excavation immediately after tank removal? [X] yes [ ] no [ ] unknown

If yes, explain reasoning IF SAMPLING COMES BACK N.D. AND IS AUTHORIZED BY COUNTY TO DO SO.

If unknown at this point in time, please be aware that **excavated soil may not be returned to the excavation without prior approval from this office. This means that the contractor, consultant, or responsible party must communicate with the Specialist IN ADVANCE of backfilling activities.**

16. Chemical methods and associated detection limits to be used for analyzing samples:

The Tri-Regional Board recommended minimum verification analyses and practical quantitation reporting limits should be followed. See attached Table 2.

17. Submit Site Health and Safety Plan (See Instructions)

Contaminant Sought	EPA or Other Sample Preparation Method Number	EPA or Other Analysis Method Number	Method Detection Limit
TPH G	5030		
TPH D	3550		
TPH+BTXE	8260		
BTXE MTBE	8020 or 8240		
O+G	5520		
CLHC	8010 or 8240		
Cd, Cr, Pb, Zn, Ni	AA		

18. Submit Worker's Compensation Certificate copy

Name of Insurer California Indemnity

19. Submit Plot Plan ***(See Instructions)***

20. Enclose Deposit (See Instructions)

21. **Report all leaks or contamination to this office within 5 days of discovery.**
The written report shall be made on an Underground Storage Tank Unauthorized Leak/Contamination Site Report (ULR) form.

22. **Submit a closure report to this office within 60 days of the tank removal. The report must contain all information listed in item 22 of the instructions.**

23. Submit State (Underground Storage Tank Permit Application) Forms A and B (one-B form for each UST to be removed) (mark box 8 for "tank removed" in the upper right hand corner)

I declare that to the best of my knowledge and belief that the statements and information provided above are correct and true.

I understand that information, in addition to that provided above, may be needed in order to obtain approval from the Environmental Protection Division and that no work is to begin on this project until this plan is approved.

I understand that any changes in design, materials or equipment will void this plan if prior approval is not obtained.

I understand that all work performed during this project will be done in compliance with all applicable OSHA (Occupational Safety and Health Administration) requirements concerning personnel health and safety. I understand that site and worker safety are solely the responsibility of the property owner or his agent and that this responsibility is not shared nor assumed by the County of Alameda.

Once I have received my stamped, accepted closure plan, I will contact the project Hazardous Materials Specialist at least three working days in advance of site work to schedule the required inspections.

CONTRACTOR INFORMATION

Name of Business WENDT & SONS CONSTRUCTION

Name of Individual Don Gilmer

Signature _____ Date 5-30-01

PROPERTY OWNER OR MOST RECENT TANK OPERATOR (Circle one)

Name of Business CHEVRON PRODUCTS

Name of Individual TONY QUIJALVO

Signature (Agent) _____ Date 5-30-01

INSTRUCTIONS

General Instructions

* Three (3) copies of this plan plus attachments and a deposit must be submitted to this Department.

* Any cutting into tanks requires local fire department approval.

* One complete copy of your approved plan must be at the construction site at all times; a copy of your approved plan must also be sent to the landowner.

* State of California Permit Application Forms A and B are to be submitted to this office. One Form A per site, one Form B for each removed tank.

Line Item Specific Instructions

2. SITE ADDRESS
   Address at which closure is taking place.

5. EPA I.D. NO. under which the tanks will be manifested
   EPA I.D. numbers may be obtained from the State Department of Toxic Substances Control, 916/324-1781.

6. CONTRACTOR
   Prime contractor for the project.

10. STATE REGISTERED HAZARDOUS WASTE TRANSPORTERS/FACILITIES

    a) All residual liquids and sludges are to be removed from tanks before tanks are inerted.

    c) Tanks must be hauled as hazardous waste.

    d) This is the place where tanks will be taken for cleaning.

15. TANK HISTORY AND SAMPLING INFORMATION
    Use History - This information is essential and must be accurate. Include tank installation date, products stored in the tank, **and the date when the tank was last used.**

    Material to be sampled - e.g. water, oil, sludge, soil, etc.

    Location and depth of samples - e.g. beneath the tank a maximum of two feet below the native soil/backfill interface, side wall at the high water mark, etc.

EXPLANATION [redacted] TABLE #2: MINIMUM VERIF[redacted]TION ANALYSIS

1. OTHER METHODOLOGIES are continually being developed and as methods are accepted by EPA or DHS, they also can be used.

2. For DRINKING WATER SOURCES, EPA recommends that the 500 series for volatile organics be used in preference to the 600 series because the detection limits are lower and the QA/QC is better.

3. APPROPRIATE STANDARDS for the materials stored in the tank are to be used for all analyses on Table #2. For instance, seasonally, there may be five different jet fuel mixtures to be considered.

4. To AVOID FALSE POSITIVE detection of benzene, benzene-free solvents are to be used.

5. TOTAL PETROLEUM HYDROCARBONS (TPH) as gasoline (G) and diesel (D) ranges (volatile and extractible, respectively) are to be analyzed and characterized by GCFID with a fused capillary column and prepared by EPA method 5030 (purge and trap) for volatile hydrocarbons, or extracted by sonication using 3550 methodology for extractable hydrocarbons. Fused capillary columns are preferred to packed columns; a packed column may be used as a "first cut" with "dirty" samples or once the hydrocarbons have been characterized and proper QA/QC is followed.

6. TETRAETHYL LEAD (TEL) analysis may be required if total lead is detected unless the determination is made that the total lead concentration is geogenic (naturally occurring).

7. CHLORINATED HYDROCARBONS (CL HC) AND BENZENE, TOLUENE, XYLENE AND ETHYLBENZENE (BTX&E) are analyzed in soil by EPA methods 8010 and 8020 respectively, (or 8240) and in water, 601 and 602, respectively (or 624).

8. OIL AND GREASE (O & G) may be used when heavy, straight chain hydrocarbons may be present. Infrared analysis by method 418.1 may also be acceptable for O & G if proper standards are used. **Standard Methods" 17th Edition, 1989, has changed the 503 series to 5520.**

9. **PRACTICAL QUANTITATION REPORTING LIMITS are influenced by matrix problems and laboratory QA/QC procedures. Following are the Practical Quantitation Reporting Limits:**

	SOIL PPM	WATER PPB
TPH G	1.0	50.0
TPH D	1.0	50.0
BTX&E	0.005	0.5
O & G	50.0	5,000.0

TABLE #2

RECOMMENDED MINIMUM VERIFICATION ANALYSES FOR UNDERGROUND TANK LEAKS

HYDROCARBON LEAK	SOIL ANALYSIS	WATER ANALYSIS
Unknown Fuel	TPH G GCFID(5030) TPH D GCFID(3550) BTX&E 8020 or 8240 TPH AND BTX&E 8260	TPH G GCFID(5030) TPH D GCFID(3510) BTX&E 602, 624 or 8260
Leaded Gas	TPH G GCFID(5030) BTX&E 8020 OR 8240 TPH AND BTX&E 8260 TOTAL LEAD AA ------Optional------- TEL DHS-LUFT EDB DHS-AB1803	TPH G GCFID(5030) BTX&E 602 or 624 TOTAL LEAD AA TEL DHS-LUFT EDB DHS-AB1803
Unleaded Gas	TPH G GCFID(5030) BTX&E 8020 or 8240 TPH AND BTX&E 8260	TPH G GCFID(5030) BTX&E 602, 624 or 8260
Diesel, Jet Fuel and Kerosene	TPH D GCFID(3550) BTX&E 8020 or 8240 TPH AND BTX&E 8260	TPH D GCFID(3510) BTX&E 602, 624 or 8260
Fuel/Heating Oil	TPH D GCFID(3550) BTX&E 8020 or 8240 TPH AND BTX&E 8260	TPH D GCFID(3510) BTX&E 602, 624 or 8260
Chlorinated Solvents	CL HC 8010 or 8240 BTX&E 8020 or 8240 CL HC AND BTX&E 8260	CL HC 601 or 624 BTX&E 602 or 624 CL HC AND BTX&E 8260
Non-chlorinated Solvents	TPH D GCFID(3550) BTX&E 8020 or 8240 TPH AND BTX&E 8260	TPH D. GCFID(3510) BTX&E 602 or 624 TPH and BTX&E 8260
Waste and Used Oil or Unknown (All analyses must be completed and submitted)	TPH G GCFID(5030) TPH D GCFID(3550) TPH AND BTX&E 8260 O & G 5520 D & F BTX&E 8020 or 8240 CL HC 8010 or 8240	TPH G GCFID(5030) TPH D GCFID(3510 O & G 5520 C & F BTX&E 602, 624 or 8260 CL HC 601 or 624
	ICAP or AA TO DETECT METALS: Cd, Cr, Pb, Zn, Ni METHOD 8270 FOR SOIL OR WATER TO DETECT: PCB* PCP* PNA CREOSOTE	 PCB PCP PNA CREOSOTE

* If found, analyze for dibenzofurans (PCBs) or dioxins (PCP)

Reference: Tri-Regional Board Staff Recommendations for Preliminary Evaluation and Investigation of Underground Tank Sites, 10 August 1990

Based upon a Regional Board survey of Department of Health Services Certified Laboratories, the Practical Quantitation Reporting Limits are attainable by a majority of laboratories with the exception of diesel fuel in soils. The Diesel Practical Quantitation Reporting Limits, shown by the survey, are:

ROUTINE	MODIFIED PROTOCOL
≤ 10 ppm (42%)	≤ 10 ppm (10%)
≤ 5 ppm (19%)	≤ 5 ppm (21%)
≤ 1 ppm (35%)	≤ 1 ppm (60%)

When the Practical Quantitation Reporting Limits are not achievable, an explanation of the problem is to be submitted on the laboratory data sheets.

10. LABORATORY DATA SHEETS are to be signed and submitted and include the laboratory's assessment of the condition of the samples on receipt including temperature, suitable container type, air bubbles present/absent in VOA bottles, proper preservation, etc. The sheets are to include the dates sampled, submitted, prepared for analysis, and analyzed.

11. IF PEAKS ARE FOUND, when running samples, that do not conform to the standard, laboratories are to report the peaks, including any unknown complex mixtures that elute at times varying from the standards. Recognizing that these mixtures may be contrary to the standard, they may not be readily identified; however, they are to be reported. At the discretion of the LIA or Regional Board the following information is to be contained in the laboratory report:

    The relative retention time for the unknown peak(s) relative to the reference peak in the standard, copies of the chromatogram(s), the type of column used, initial temperature, temperature program is C/minute, and the final temperature.

12. REPORTING LIMITS FOR TPH are: gasoline standard ≤ 20 carbon atoms, diesel and jet fuel (kerosene) standard ≤ 50 carbon atoms. It is not necessary to continue the chromatography beyond the limit, standard, or EPA/DHS method protocol (whichever time is greater).

EPILOGUE

ADDITIVES: Major oil companies are being encouraged or required by the federal government to reformulate gasoline as cleaner burning fuels to reduce air emissions. MTBE (Methyl-tertiary butyl ether), ETHANOL (ethyl alcohol), and other chemicals may be added to reformulate gasolines to increase the oxygen content in the fuel and thereby decrease undesirable emissions (about four percent with MTBE). MTBE and ethanol are, for practical purposes, soluble in water. The removal

from the water column will be difficult. Other compounds are being added by the oil companies for various purposes. The refinements for detection and analysis for all of these additives are still being worked out. If you have any questions about the methodology, please call your Regional Board representative.

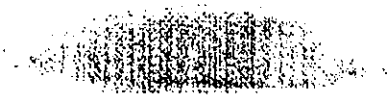
State of California
CONTRACTORS STATE LICENSE BOARD
ACTIVE LICENSE

License Number 723360 Entity CORP

Business Name WENDT & SONS CONSTRUCTION INC
DBA WENDT CONSTRUCTION

Classification(s) A B C10 HAZ HIC

Expiration Date 06/30/2002



ACORD CERTIFICATE OF LIABILITY INSURANCE

DATE (MM/DD/YY) 06/27/2000

PRODUCER (209)334-4242 FAX (209)369-0684
MCV Insurance Producers
301 S. Ham Lane, Suite F
P.O. Box 490
Lodi, CA 95241
Attn: Ext:

THIS CERTIFICATE IS ISSUED AS A MATTER OF INFORMATION ONLY AND CONFERS NO RIGHTS UPON THE CERTIFICATE HOLDER. THIS CERTIFICATE DOES NOT AMEND, EXTEND OR ALTER THE COVERAGE AFFORDED BY THE POLICIES BELOW.

INSURED
Wendt & Sons Construction Inc
DBA: Wendt Construction
PO Box 1403
Lodi, CA 95241

COMPANIES AFFORDING COVERAGE

COMPANY A: Allied Group
COMPANY B: California Indemnity
COMPANY C:
COMPANY D:

COVERAGES

THIS IS TO CERTIFY THAT THE POLICIES OF INSURANCE LISTED BELOW HAVE BEEN ISSUED TO THE INSURED NAMED ABOVE FOR THE POLICY PERIOD INDICATED. NOTWITHSTANDING ANY REQUIREMENT, TERM OR CONDITION OF ANY CONTRACT OR OTHER DOCUMENT WITH RESPECT TO WHICH THIS CERTIFICATE MAY BE ISSUED OR MAY PERTAIN, THE INSURANCE AFFORDED BY THE POLICIES DESCRIBED HEREIN IS SUBJECT TO ALL THE TERMS, EXCLUSIONS AND CONDITIONS OF SUCH POLICIES. LIMITS SHOWN MAY HAVE BEEN REDUCED BY PAID CLAIMS.

CO LTR	TYPE OF INSURANCE	POLICY NUMBER	POLICY EFFECTIVE DATE (MM/DD/YY)	POLICY EXPIRATION DATE (MM/DD/YY)	LIMITS		
A	GENERAL LIABILITY X COMMERCIAL GENERAL LIABILITY CLAIMS MADE X OCCUR OWNER'S & CONTRACTOR'S PROT	ACP7810614862	07/01/2000	07/01/2001	GENERAL AGGREGATE PRODUCTS - COMP/OP AGG PERSONAL & ADV INJURY EACH OCCURRENCE FIRE DAMAGE (Any one fire) MED EXP (Any one person)	$ $ $ $ $ $	2,000,000 2,000,000 1,000,000 1,000,000 50,000 5,000
A	AUTOMOBILE LIABILITY X ANY AUTO ALL OWNED AUTOS SCHEDULED AUTOS HIRED AUTOS NON-OWNED AUTOS	ACP7810614862	07/01/2000	07/01/2001	COMBINED SINGLE LIMIT BODILY INJURY (Per person) BODILY INJURY (Per accident) PROPERTY DAMAGE	$ $ $ $	1,000,000
	GARAGE LIABILITY ANY AUTO				AUTO ONLY - EA ACCIDENT OTHER THAN AUTO ONLY: EACH ACCIDENT AGGREGATE	$ $ $	
	EXCESS LIABILITY UMBRELLA FORM OTHER THAN UMBRELLA FORM				EACH OCCURRENCE AGGREGATE	$ $ $	
B	WORKERS COMPENSATION AND EMPLOYERS' LIABILITY THE PROPRIETOR/ PARTNERS/EXECUTIVE OFFICERS ARE: INCL EXCL	SP0116660B	07/01/2000	07/01/2001	X WC STATUTORY LIMITS OTHER EL EACH ACCIDENT EL DISEASE - POLICY LIMIT EL DISEASE - EA EMPLOYEE	$ $ $	1,000,000 1,000,000 1,000,000
	OTHER						

DESCRIPTION OF OPERATIONS/LOCATIONS/VEHICLES/SPECIAL ITEMS

CERTIFICATE HOLDER

SHOULD ANY OF THE ABOVE DESCRIBED POLICIES BE CANCELLED BEFORE THE EXPIRATION DATE THEREOF, THE ISSUING COMPANY WILL ENDEAVOR TO MAIL _____ DAYS WRITTEN NOTICE TO THE CERTIFICATE HOLDER NAMED TO THE LEFT, BUT FAILURE TO MAIL SUCH NOTICE SHALL IMPOSE NO OBLIGATION OR LIABILITY OF ANY KIND UPON THE COMPANY, ITS AGENTS OR REPRESENTATIVES.

Blank Certificate For Insured's Sample Binder

AUTHORIZED REPRESENTATIVE

SITE SAFETY AND HEALTH PLAN

This site Safety and Health Plan addresses the safety and health procedures that will be followed during field operations for the Waste Oil Tank Removal for Chevron at the following location 15900 Hesperian Blvd. San Lorenzo, CA. Specifically, the SSHP addresses activities pertaining to tank removal only and no remediation activities at this time.

Approximately 2 field workers, will be involved in the site work activities which are scheduled to last approximately 1 week.

This SSHP is comprised of the following elements:

1. Key Personnel

2. Hazard Analysis

3. Personal Protective Equipment

4.Medical Surveillance Plan

5. Site Control Measures

6.Emergency Procedures

7. Documentation

Each of these elements are discussed in detail below.

KEY PERSONNEL

Mr. Fred Kerby is the Project Manager (PM), Mr. Don Gilmer is the site Health and Safety Officer.

The site safety officer has completed 40 hrs of comprehensive health and safety training which meets the requirements of title 29 Code of Federal Regulations Part 1910.120. The project manager and other site workers have met the requirements of this regulation under Part 9 Equivalent Training and will receive site specific training before entry to site.

The Project Manager is responsible for generating, organizing, the SSHP which describes all planned field activities and potential hazards that may be encountered at the site. The PM is also responsible for assuring that adequate training and safety briefings for the project are provided to the project team. Copies will be available to other contractors prior to the start of field activities.

The site Health and Safety Officer is responsible for ensuring that all data acquisition is performed in accordance with the work plan and SSHP.
The Safety Officer's responsibilities include:

1. Following the SSHP

2. Reporting to the PM any unsafe conditions or practices.

3.Reporting to the PM all facts pertaining to incidents which result in injury.

4. Reporting to the PM safety equipment malfunctions or deficiencies.

5. Providing site safety briefings on a daily basis.

6. Inspecting all personal protective equipment prior to on-site use.

7. Enforcing the "Buddy System" as appropriate for site activities.

8. Posting the telephone numbers of local emergency services.

9. Posting location and route to the nearest medical facility and arranging transportation.

10. Stopping operations that threaten the health and safety of the field team of surrounding populace.

11. Entering the Exclusion Area in Emergencies after he notified emergency services.

12. Observing field team members for signs of exposure, stress, or their conditions related to pre-existing physical conditions or site work activities of the team members.

PERSONAL PROTECTIVE EQUIPMENT

Based on the hazard analysis for this project, the following personal protective equipment (PPE) will be required and used. Changes to these specified items PPE will not be made without the approval of the site safety officer.

The PPE for this project will be Level D. Steel-toed boots, and hard hats, will be worn in the work area. Cotton overalls may be worn for dirt protection. Ear plugs, dust masks and safety glasses will be available.

These items do not provide any chemical protection. Nitrite gloves with latex or vinyl liners should be worn when sampling or handling contaminated soils to prevent skin contact with contaminants. If conditions are encountered where any of the constituents listed in Table C-1 are detected at or above the TLV for that chemical, work will cease. Level C ppe will be donned prior to continuing work at the site under such conditions. Level C will include Saranex coveralls, nitrite gloves with liners, and fullface air-purifying respirators with organic vapor cartridges in addition to the level D items specified above.

MEDICAL SURVEILLANCE REQUIREMENTS

Medical surveillance is conducted as a routine program which meets the requirements of 29 CFR 1910.120 (f). There will not be any special medical tests or examinations required for staff involved in this project.

Work Practices:

Safe work practices to be employed during the entire progress of field work are as follows:

1. Set up, assemble, and check out all equipment for integrity and proper function before entering the work area and prior to starting work activities.

2. Do not use faulty or suspect equipment.

3. Use only new and intact protective clothing.

4. Do not use hands to wipe face. Use a clean towel or paper towels.

5. Practice Contamination avoidance at all times.

The SSO is trained in first aid and CPR. First aid kit and fire extinguisher will be located at the command vehicle. The nearest telephone is located on site and the PM 's truck will also be equipped with a mobile telephone. The emergency telephone numbers to be used to call for assistance are listed in the section on Key Personal and Responsibilities with the reference list of project contacts.

The following is a reference list of project contacts:

Owner: Chevron USA Products Co.
6001 Bollinger Canyon Road
San Ramon, CA 94853
(925) 842-8602
Tony Quijalvo

Architect: N/A

Removal Contractor: Wendt Construction
Lic. #723360
P.O. Box 1403
Lodi, CA 95241
(209) 547-9310
Fred Kerby

Tank Hauler: ECI
255 Parr Blvd.
Richmond, Ca 94801
(510) 235-1393
Dave Sato

The Following Telephone Number will be used to call for emergency assistance:

All Emergencies: **911**

HAZARD ANALYSIS

The hazard analysis identifies potential hazards that pertain to specific on site activities. These activities include:

Tank and Line Removal/ Excavation and Install

The potential hazards to personnel working at the subject site have been identified as chemical contamination, physical hazards of working around heavy equipment, a large excavation, and heat stress (potential for cold stress due to seasonal changes). Each potential hazard relative to potential for exposure is described below.

Chemical Contamination

The chemical contaminants of concern for this project are gasoline constituents [benzene, ethyl benzene, toluene, and xylene (BETX)], and chemical characteristics and exposure level information for these compounds are presented in Table C-1. The hazards associated with these chemicals are potential for fire and explosion, and potential worker exposure due to direct contact and/or inhalation of vapors of gasoline constituents. These potential hazards will be controlled through monitoring and the use of protective equipment as described later in this SSHP.

Gasoline vapors (50 to 100 octane) are moderately to highly toxic via inhalation, which can cause central nervous system depression, pneumonitis, fatal pulmonary edema, and some addiction if exposures too the vapors are greater than 300 parts per million(ppm). Gasoline also poses fire and explosion hazards when present in sufficient concentrations and with a source of ignition. The flammable range for gasoline vapors is 1.3 to 6.0 percent by volume in air. During start-up of the system gasoline will be present in the tanks, piping, and dispensers.

PHYSICAL HAZARDS

Table C-2 list hazards and how they will be controlled.

TABLE C-2. Physical Hazards Control

	Hazard	Control
6.	Heavy equipment	Eye contact with operator prior to approaching equipment.
7.	Open excavations	Open excavations will be marked with tape during work hours and blocked with fencing or equipment during the off hours.
8.	Uneven or slippery Walk area	Care will be taken when traveling the site and the site will be kept as clean as possible.

Sunburn. Working outdoors on sunny days for extended periods of time can cause sunburn to the skin. Excessive exposure to sunlight is associated with the development of skin cancer. Field staff should take precautions to prevent sunburn by using sun-screen lotion and/or wearing hats and long-sleeved garment.

Heat Stress. The potential for heat stress is a concern when field activities are performed on warm, sunny days, and is accentuated when chemical protective clothing is worn. Heat stress prevention measures and monitoring will be implemented if site temperatures are above 70 degrees Fahrenheit (F).

Precautions to prevent heat stress will include work/rest cycles so that rest periods are taken before excessive fatigue occurs, and regular intake of water to replace that lost from sweating. Work/rest cycles will be based on monitoring the heart rate (pulse) of each individual worker. Rest breaks will be long enough to reduce the heart rate (HR) below levels calculated according to the following methods.

1. The worker will initially determine their resting HR prior starting work activities.

2. At the start of the first rest period the worker will determine their HR> This initial HR should not exceed the individual's age-adjusted maximum HR, which equals [(0.7)(220-age in years)]. At 1 minute into the rest period, the recovery HR will be determined. The recovery Hr should not exceed 110 beats per minute.

3. If the initial HR exceeds the age-adjusted maximum HR, or the 1-minute recovery HR is greater than 110 beats per minute, then the next work period will be decreased by 10 minutes.

Heat stress due to water loss can be prevented. To prevent dehydration, water must approximate sweat loss. Water intake guidelines are as follows:

1. The sense of thirst is not an adequate regulator of water replacement needs during heat exposure. Therefore, water must be replaced at prescribed intervals.

   A. Before work begins, drink two 8-ounce glasses of water.

   B. During each rest period, drink at least two 8-ounce glasses of water.

2. Plain water, served cool, is excellent. An adequate supply of potable water and drinking cups will be readily available, such as in a support vehicle, to provide water during rest periods.

3. Adding salt to water is not recommended. However, other fluids, in addition to water, could include dilute fruit juices and electrolyte replacement drinks diluted 3:1 with water. Do <u>not</u> use salt tablets!

An initial work/rest cycle of 1 hour work and 15 minutes rest is recommended for protection of staff when the heat stress hazard is high. The recommended cycle will be adjusted up or down based upon worker monitoring, environmental conditions, and the judgement of the site safety officer. At any time, field team members recognize the signs or symptoms of heat stress prior to a scheduled rest period, they will notify the SSO immediately in order that the rest period can be called.

Heat stress, if not prevented, results in heat stress illnesses. Two critical illnesses, if not recognized and treated immediately, can become life-threatening. These are heat exhaustion and heat stroke. Heat exhaustion will result if the prevention measures decided above are not implemented. Ignoring the signs and symptoms of heat exhaustion will lead to the development of heat stroke, if unsafe conditions persist.

Heat stroke is immediate, life threatening condition that results because the body's heat regulating mechanisms shut down, and the body cannot cool itself sufficiently. As heat is excessively stored in the body, brain damage can result causing permanent disability or death.

Heat Exhaustion. The signs and symptoms of heat exhaustion are headache; dizziness; nausea; weakness; fainting; profuse sweating; loss of appetite; approximately normal body temperature; dilated pupils; weak and raid pulse; shallow and rapid breathing; possible cramps in abdomen and extremities; possible vomiting, difficulty walking; cool and sweaty skin to the touch; pale to ashen gray coloring.

First aid for heat exhaustion is as follows:

1. Immediately remove victim to the support area, or if you are the victim proceed to the support area.

2. Start cooling, but be careful not to cause a chill (i.e. rest in shade and apply wet towel to forehead; open up and/or remove clothing as much as practical, especially chemical-resistant clothing).

3. Drink cool water slowly, but only if conscious and not in shock.

4. If vomiting and/or the signs and symptoms are not lessening within an hour, call for emergency help and/or transport the victim to emergency room.

5. It is likely that a heat exhaustion victim will be unable to work for the remainder of the day.

Heat Stroke (aka sun stroke). The signs and symptoms of heat stroke are hot, dry skin to the touch; reddish coloring; body temperature > 105 degrees F; no sweating; mental confusion; deep, rapid breathing that sounds like snoring progressing to shallow, weak breathing, headache; dizziness; nausea; vomiting; weakness; dry mouth; convulsions, muscular twitching, sudden collapse; possible unconsciousness.

First aid for heat stroke is as follows:

1. Cool the victim rapidly using whatever means are available, including: shade; opening up and/or removing clothing; soaking clothing/skin with water and fanning; placing victim in vehicle using air conditioning on maximum.

2. Do not give drinking water to victim.

3. Treat for shock, if needed.

4. Transport the victim to the emergency room or call for emergency help; no exceptions for heat stroke victim.

Cold Stress. The potential for cold stress is a particular concern when field activities are performed while air temperatures at the site are below 40 degrees F. If winds are blowing at 5 miles per hour (mph) or greater and/or the weather is damp or wet, cold stress is even more of a potential hazard, Precautions that will be taken to prevent cold stress include wearing cold protective clothing appropriate for the level of cold and physical activity, changing under clothing if it becomes wet, and establishing a work/warming regimen. Cold protective clothing will include layering of garment and use of gloves and hat. The warming breaks should be taken in a warm location if at all possible, including improvising a wind break at the site. During warming breaks, warm sweet beverages and soups should be consumed to provide calories fluids. Drinking coffee or other decaffeinated beverages is not recommended.

Cold stress if not prevented, can result in frostbite and hypothermia. Ignoring the signs and symptoms of clod stress can be life threatening. Prevention is the key. As a preventative measure, body core temperature should not drop below 96.8 degrees F. Pain in the extremities is the first early warning of cold stress. Severe shivering sets in when the body core temperature has dropped to 95 degrees F. If this occurs, work will stop immediately and the affected worker(s) will take a warming break of sufficient duration that the cold stress signs and symptoms are gone.

REF./ ACCT. # UST

COUNTY OF ALAMEDA
OFFICE OF THE AUDITIOR-CONTROLLER

MISCELLANEOUS RECEIPT № 840532

Seven hundred & fifty & no/100 DOLLARS $ 750.00

☐ CASH ☑ PERSONAL/CASHIER'S CHECK/M. O. # 3016 ☐ OTHER:

RECEIVED FROM: Wendt Const. for tank removal at

FOR: 15900 Hesperian San Lzo.

DATE: 5/30/01 RECEIVED BY: C. Black DEPT. NO. 450/4510

110-1 (Rev 10/83) 0123E (08) Distribution: White - Payor Yellow & Pink - Depart.

Security enhanced document. See back for details.

WENDT CONSTRUCTION
PH. 209-547-9310
P.O. BOX 1403
LODI, CA 95241

3016

90-108/1211
01

DATE 5-30-01

PAY TO THE ORDER OF ALACO ENVIRONMENTAL HEALTH $ 750.00

Seven Hundred + Fifty Dollars + 00/00 DOLLARS

UNION SAFE DEPOSIT BANK Est. 1897
901 "H" St., Modesto, CA 95354

FOR Env. Health Permit fee's San Lorenzo

⑈003016⑈ ⑆121101082⑆01836478⑈06

ALAMEDA COUNTY
HEALTH CARE SERVICES
AGENCY
DAVID J. KEARS, Agency Director

ENVIRONMENTAL HEALTH SERVICES
ENVIRONMENTAL PROTECTION
1131 Harbor Bay Parkway, Suite 250
Alameda, CA 94502-6577
(510) 567-6700
FAX (510) 337-9335

Stid 776

March 19, 2001

Mr. Thomas Bauhs
Chevron Product Company
Site Assessment & Remediation
6001 Bollinger Canyon Road
Building L, Room 1110
PO Box 6004
San Ramon, CA 94583-0904

RE: Chevron Service Station # 9-0504 at 15900 Hesperian Blvd., San Lorenzo, CA

Dear Mr. Bauhs:

I am in receipt of the "Groundwater Monitoring Second Semi-Annual 2000" regarding the above referenced site, dated November 28th, 2000, submitted by Ms. Deanna L. Harding of Gettler-Ryan Inc. as well as a letter dated March 12th, 2001 submitted by Mr. Jim Brownell of Delta Environmental Consultants, Inc., your consultant, regarding the above referenced site.

I have following comments regarding these two documents:

- In the correspondence dated October 23, 2000 I had indicated that you may discontinue analysis of C-9, C-10, and C-11 wells due to either low or non-detect levels of contaminants during the past few samples. During this analysis the indicated wells still reveal low concentrations of the contaminants justifying discontinuance of analysis for the respective wells.

- C-1, C-2, and C-3 wells, scheduled for annual monitoring, were not analyzed during this period.

- C-4, C-5, and C-6 wells have been discontinued.

- C-7, C-2, and C-1 wells were not sampled during this period.

- During last analysis dated 3/21/2000, C-7 well indicated up to 2830ppb TPH-gasoline, 19.5ppb benzene, and 11.7ppb MTBE, while C-2 well indicated 5420ppbTPH-gasoline, 9.69ppb benzene, and 168ppb MTBE. C-1 well indicated up to 432ppbTPH-gasoline, <0.5ppb benzene, and 154ppb MTBE for the same period on 3/21/2000.

- Groundwater flow gradient is to the Southwest at 0.003 ft/ft, despite previous report, which indicated a southerly flow direction.

- There is some slight fluctuation in the concentrations of MTBE in C-1 and C-2 wells while Benzene concentrations in the respective wells did not appreciably alter. There were fluctuations in the concentrations of some of the constituents in the plume as well as revealed by this report.

Please inform me whether Mr. Scott Boor of Blaine Tech Services Inc. is still working on this case. Please call me at (510) 567-6876 if you have any questions,

Sincerely,

Amir K. Gholami, REHS
Hazardous Materials Specialist

C: Ms. Deanna L. Harding, Gettler-Ryan Inc., 6747 Sierra Court, Suite J, Dublin, CA 94568
Mr. Jim Brownell, Delta Environmental Consultants, Inc., 3164 Gold Camp Drive Suite 200, Rancho Cordova, CA 95670-6021
Files

ALAMEDA COUNTY
HEALTH CARE SERVICES
AGENCY
DAVID J. KEARS, Agency Director

ENVIRONMENTAL HEALTH SERVICES
ENVIRONMENTAL PROTECTION
1131 Harbor Bay Parkway, Suite 250
Alameda, CA 94502-6577
(510) 567-6700
FAX (510) 337-9335

Stid 776

October 23, 2000

Mr. Philip R. Briggs
Chevron Product Company
Site Assessment & Remediation
6001 Bollinger Canyon Road
Building L, Room 1110
PO Box 6004
San Ramon, CA 94583-0904

RE: Chevron Service Station # 9-0504 at 15900 Hesperian Blvd., San Lorenzo, CA

Dear Mr. Briggs:

This office is in receipt of the "First Quarter 2000 Groundwater Monitoring" regarding the above referenced site, dated April 24th, 2000, submitted by Scott Boor, Blaine Tech Services Inc. (BTSI), your consultant, regarding the above referenced site. I would like to make the following comments regarding this report:

- Groundwater flow gradient is the south
- You may discontinue analysis of C-9, C-10, and C-11 wells due to either low or non-detect levels of contaminants during the past few samples.
- There is some slight fluctuation in the concentrations of MTBE in C-1 and C-2 wells while Benzene concentrations in the respective wells did not appreciably alter. There were fluctuations in the concentrations of some of the constituents in the plume as well as revealed by this report.

I will be looking forward to receive the next report.

If you have any questions, please call me at (510) 567-6876.

Sincerely,

Amir K. Gholami, REHS
Hazardous Materials Specialist

C: Scott Boor, Blaine Tech Services Inc. 1680 Rogers Ave., San Jose, CA 95112-1105
Files

ALAMEDA COUNTY
HEALTH CARE SERVICES
AGENCY
DAVID J. KEARS, Agency Director

ENVIRONMENTAL HEALTH SERVICES
ENVIRONMENTAL PROTECTION
1131 Harbor Bay Parkway
Alameda, CA 94502-6577
(510) 567-6700
(510) 337-9432

Stid 776

December 28, 1999

Mr. Brett L. Hunter
Chevron Product Company
Project Manager
Site Assessment & Remediation
6001 Bollinger Canyon Road
PO Box 6004
San Ramon, CA 94583-0904

RE: Chevron Service Station # 9-0504 at 15900 Hesperian Blvd., San Lorenzo, CA

Dear Mr. Hunter:

I am in receipt of the " Third Quarter 1999 Groundwater Monitoring" regarding the above dated November 17th, 1999, submitted by Blaine Tech Services Inc. (BTSI), your consultant, regarding the above referenced site. Thank you for the submittal of the report.

Per this report C-1 and C-2 wells increased in MTBE concentration gradually at 350ppb and 460ppb respectively while Benzene concentrations in the respective wells did not appreciably alter. Other wells such as C-7 and C-8 revealed some concentrations of TPHg, Benzene, and MTBE as well.

There were fluctuations in the concentrations of some of the constituents in the plume as well as revealed by this report.

I noted that the "other oxygenates" laboratory analysis, which had been performed in 3/19/1999, had been performed with improper detection limits. Please ensure proper detection levels are met during all laboratory analysis.

I will be looking forward to receive the next report.

Should you have any questions, please call me at (510) 567-6876.

Sincerely,

Amir K. Gholami, REHS
Hazardous Materials Specialist

C: Deanna L. Harding, Project Coordinator, Gettler-Ryan Inc., 7647 Sierra Court, Suite J, Dublin, CA 94568
Files

ALAMEDA COUNTY
HEALTH CARE SERVICES
AGENCY
DAVID J. KEARS, Agency Director

ENVIRONMENTAL HEALTH SERVICES
ENVIRONMENTAL PROTECTION
1131 Harbor Bay Parkway
Alameda, CA 94502-6577
(510) 567-6700
(510) 337-9432

Stid 776

December 7, 1999

Mr. Philip R. Briggs
Chevron Product Company
Site Assessment & Remediation
6001 Bollinger Canyon Road
Building L, Room 1110
PO Box 6004
San Ramon, CA 94583-0904

RE: Chevron Service Station # 9-0504 at 15900 Hesperian Blvd., San Lorenzo, CA

Dear Mr. Briggs:

I am in receipt of the " Third Quarter 1999 Groundwater Monitoring" regarding the above dated November 17th, 1999, submitted by Blaine Tech Services Inc. (BTSI), your consultant, regarding the above referenced site. Thank you for the submittal of the report.

Per this report C-1 and C-2 wells increased in MTBE concentration gradually at 350ppb and 460ppb respectively while Benzene concentrations in the respective wells did not appreciably alter. Other wells such as C-7 and C-8 revealed some concentrations of TPHg, Benzene, and MTBE as well.

There were fluctuations in the concentrations of some of the constituents in the plume as well as revealed by this report.

I noted that the "other oxygenates" laboratory analysis, which had been performed in 3/19/1999, had been performed with improper detection limits. Please ensure proper detection levels are met during all laboratory analysis.

I will be looking forward to receive the next report.

Should you have any questions, please call me at (510) 567-6876.

Sincerely,

Amir K. Gholami, REHS
Hazardous Materials Specialist

C: Deanna L. Harding, Project Coordinator, Gettler-Ryan Inc., 7647 Sierra Court, Suite J, Dublin, CA 94568
Files

ALAMEDA COUNTY
HEALTH CARE SERVICES
AGENCY
DAVID J. KEARS, Agency Director

ENVIRONMENTAL HEALTH SERVICES
1131 Harbor Bay Parkway, Suite 250
Alameda, CA 94502-6577
(510) 567-6700
(510) 337-9335 (FAX)

Stid 776

June 16, 1999

Mr. Philip R. Briggs
Chevron Product Company
Site Assessment & Remediation
6001 Bollinger Canyon Road
Building L, Room 1110
PO Box 6004
San Ramon, CA 94583-0904

RE: Chevron Service Station # 9-0504 at 15900 Hesperian Blvd., San Lorenzo, CA

Dear Mr. Briggs:

I am in receipt of the "Analytical Results for the First Quarter 1999" dated June 5, 1999, submitted by Blaine Tech Services Inc. (BTSI), your consultant, regarding the above referenced site. Thank you for the submittal of the Analytical Result. As you are aware, the concentrations of all the plume constituents were found as high as 5300ppb, 63ppb for Purgeable Hydrocarbons, Benzene respectively in C-7 sample. The MTBE concentration was noted as high as 460ppb in C-2 Sample.

The "other oxygenates" laboratory analysis was performed and revealed non-detect levels of these constituents except the MTBE as expected. As indicated, the MTBE constituent was detected in five wells.

I will be looking forward to receive the full report.

If you have any questions, please feel free to call me at (510) 567-6876.

Sincerely,

Amir K. Gholami, REHS
Hazardous Materials Specialist

C: Deanna L. Harding, Project Coordinator, Gettler-Ryan Inc., 7647 Sierra Court, Suite J, Dublin, CA 94568
Files

ALAMEDA COUNTY
HEALTH CARE SERVICES
AGENCY
DAVID J. KEARS, Agency Director

ENVIRONMENTAL HEALTH SERVICES
ENVIRONMENTAL PROTECTION (LOP)
1131 Harbor Bay Parkway, Suite 250
Alameda, CA 94502-6577
(510) 567-6700
FAX (510) 337-9335

Stid 776

April 27, 1999

Mr. Philip R. Briggs
Chevron Product Company
Site Assessment & Remediation
6001 Bollinger Canyon Road
Building L, Room 1110
PO Box 6004
San Ramon, CA 94583-0904

RE: Chevron Service Station # 9-0504 at 15900 Hesperian Blvd., San Lorenzo, CA

Dear Mr. Briggs:

I have received and reviewed your proposal to remove the existing groundwater extraction system located at the above referenced site. Your proposal is acceptable. However, this office has not yet received the groundwater monitoring report due in March.

In addition, per our conversation and my letter dated December 23, 1998, you need to perform the EPA method 8260 in order to rule out the false positive for MTBE level and to test for the presence of other oxygenated contaminants such as those of TAME, DIPE, ETBE, TBA, EDB, and EDC at least once to ensure absence of the indicated constituents per Cal /EPA and Regional Water Quality Control Board (RWQCB) guidelines.

Please submit the next groundwater sampling analysis within 30 days from the date of this letter.

This is a formal request for technical information and hence any delays should be requested in writing.

If you have any questions, please call me at (510) 567-6876.

Sincerely,

Amir K. Gholami, REHS
Hazardous Materials Specialist

C: Deanna L. Harding, Project Coordinator, Gettler-Ryan Inc., 7647 Sierra Court, Suite J, Dublin, CA 94568
Files

Chevron

Chevron Products Company
6001 Bollinger Canyon Road
Building L, Room 1110
PO Box 6004
San Ramon, CA 94583-0904

Philip R. Briggs
Project Manager
Site Assessment & Remediation
Phone 925 842-9136
Fax 925 842-8370

April 6, 1999

Mr. Amir K. Gholami, REHS
Alameda County Health Care Services
Department of Environmental Health
1131 Harbor Bay Parkway, Suite 250
Alameda, CA 94502-6577

STID 776

Re: Chevron Service Station #9-0504
15900 Hesperian Blvd., San Lorenzo, California

Dear Mr. Gholami:

This is to advise your office that Chevron is proposing to remove the existing ground water extraction system that is presently located at the above noted site.

From reviewing the past history of the system, it operated for about two years from August 1992 until July 1994 and was to provide hydraulic containment to that provided by the natural geologic formation. The system removed and treated 1,290,430 gallons of water while the quantity of petroleum hydrocarbons removed is estimated at only 3 to 4 gallons.

It appears that the system achieved its objective of containment based on the existing ground water monitoring results and therefore, the system is no longer needed.

If you have any questions are concerns to Chevron's proposal to remove the system, please call me at (925) 842-9136. If a response is not received within thirty days it will be assumed that the removal is acceptable by your office.

Sincerely,
CHEVRON PRODUCTS COMPANY

Philip R. Briggs
Site Assessment and Remediation Project Manger

Cc. Mr. Bill Scudder, Chevron

Mr. Ron Sykora
David E. Bohannon Organization
60 Hillsdale Mall
San Mateo, CA 94403

ALAMEDA COUNTY
HEALTH CARE SERVICES
AGENCY
DAVID J. KEARS, Agency Director

ENVIRONMENTAL HEALTH SERVICES
1131 Harbor Bay Parkway, Suite 250
Alameda, CA 94502-6577
(510) 567-6700
(510) 337-9335 (FAX)

May 21, 1997

Mr. Philip R. Briggs
Chevron Products Company
P.O. Box 6004
San Ramon, CA 94583-0904

STID 776

Re: Investigations at Chevron Service Station #9-0504, located at 15900 Hesperian Blvd., San Lorenzo, California

Dear Mr. Briggs,

This office has completed review of Chevron Research and Technology's (CRT) Groundwater Transport Evaluation, dated October 18, 1996, and the subsequent addendums to this evaluation, dated March 14, 1997 and April 4, 1997, for the above site. The March 14, 1997 addendum included a residential risk assessment for the estimated benzene concentrations that may impact the residences from the site within the next ten years. This office accepts the estimated transport data and the risk assessment conclusions provided in these documents.

Based on the information this office has received on this site to date, the TPHg/BTEX groundwater contaminant plume appears to be fairly stable, and both the observed soil and groundwater concentrations do not appear to be posing a threat to human health for a commercial site, per the Tier 1 table of the American Society for Testing and Materials' Risk-Based Corrective Action guidelines (E 1739-95), or to human health at the residences per CRT's risk assessment.

This site appears to be close to being granted closure, however, due to the MTBE concentrations identified in Wells C-1, C-2, and C-3 and the apparent increase in MTBE concentrations in Well C-2 within the 1996 sampling events, this office would like to see annual monitoring of Wells C-1, C-2, C-3, C-7, and C-8 continue for MTBE, TPHg, and BTEX to confirm that there is no on-going release from the existing tanks, and to confirm the attenuation of the TPHg/BTEX plume. In light of the new groundwater transport evaluation and the residential human health risk assessment, and contrary to the County's January 21, 1997 letter, it has been decided that Wells C-9, C-10, and C-11 may also be switched to annual monitoring for TPHg and BTEX. Additionally, contrary to the County's letter, no further sampling will be required for Wells C-4 through C-6, due to the Non Detect analytical results in the last six quarters of monitoring.

The next groundwater monitoring event should be conducted out at the site in January 1998. If you have any questions or comments, please contact me at (510) 567-6763.

Sincerely,

Juliet Shin
Senior Hazardous Materials Specialist

cc: Chief, ACDEH

Chevron

January 22, 1997

Photos
MISC

Ms. Juliet Shin
Alameda County Health Care Serv.
Department of Environmental Health
1131 Harbor Bay Parkway, Suite 250
Alameda, CA 94502-6577

Chevron Products Company
6001 Bollinger Canyon Road
Building L
San Ramon, CA 94583
P.O. Box 5004
San Ramon, CA 94583-0804

Marketing – Northwest Region
Phone 510 842 9500

Re: Chevron Service Station #9-0504
15900 Hesperian Blvd., San Lorenzo, California

Dear Ms. Shin:

Enclosed are two historical photos of the area, where the above noted site is located and a sketch of a ground plan of the area, indicating that an old Standard station was located in the area easterly of the present site.

From the photo dated 7/7/59 you can see the outline of a service station, marked as "A," I have also marked another building as "B" for reference. Referring to the photo dated 4/24/73, you can see that Hesperian Blvd. has been widened and the existing service station has been constructed. I have indicated in red where the old Standard station and the adjacent building would be located on this photo. Chevron found an old survey that was done for the existing site location, but also showed the location of the old Standard station adjacent to the site. As you can see from this sketch the outside pump island of the Standard station has been removed by the street widening. From this type of station layout, the underground tanks would have been located near the pump islands and in the area between the islands, to allow the tank truck to drive between the islands. Therefore, it appears that the tanks also would have been removed at the time of the street widening. I have also placed the approximate locations of monitoring wells C-1, C-7, C-8 and C-10 on this sketch.

Since the source of any suspected petroleum hydrocarbon release from this old Standard station appears to have been removed at the time of widening Hesperian Blvd., it does not appear that further investigation is necessary within this area. Monitoring wells C-7, C-8 and C-10 are all downgradient of the old Standard station site and any dissolved hydrocarbons in the groundwater are now being monitored.

Please review this information and if you have any questions or comments, call me at (510) 842-9136.

Sincerely,
CHEVRON PRODUCTS COMPANY

Philip R Briggs

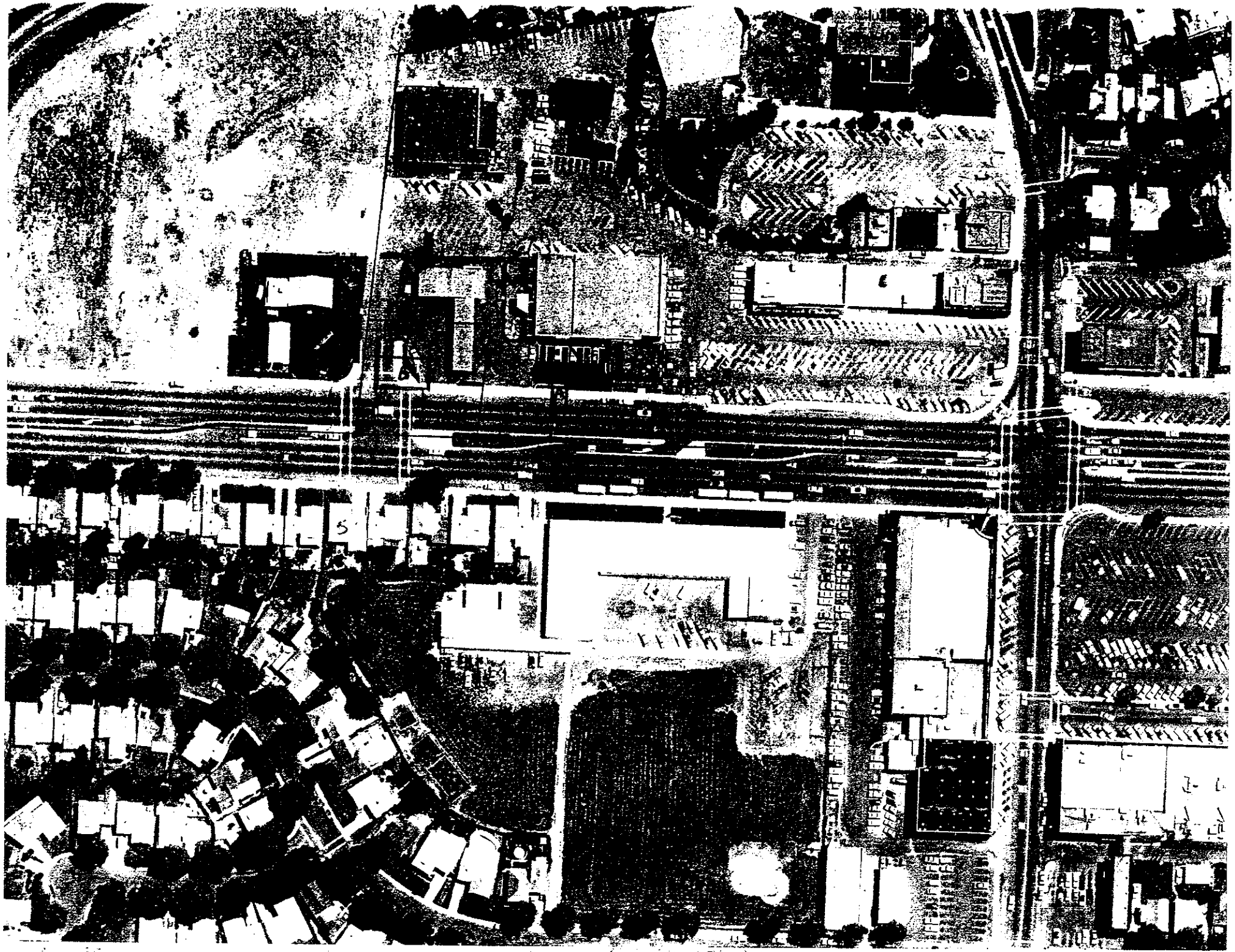
Philip R. Briggs
Site Assessment and Remediation Project Manger

Enclosure

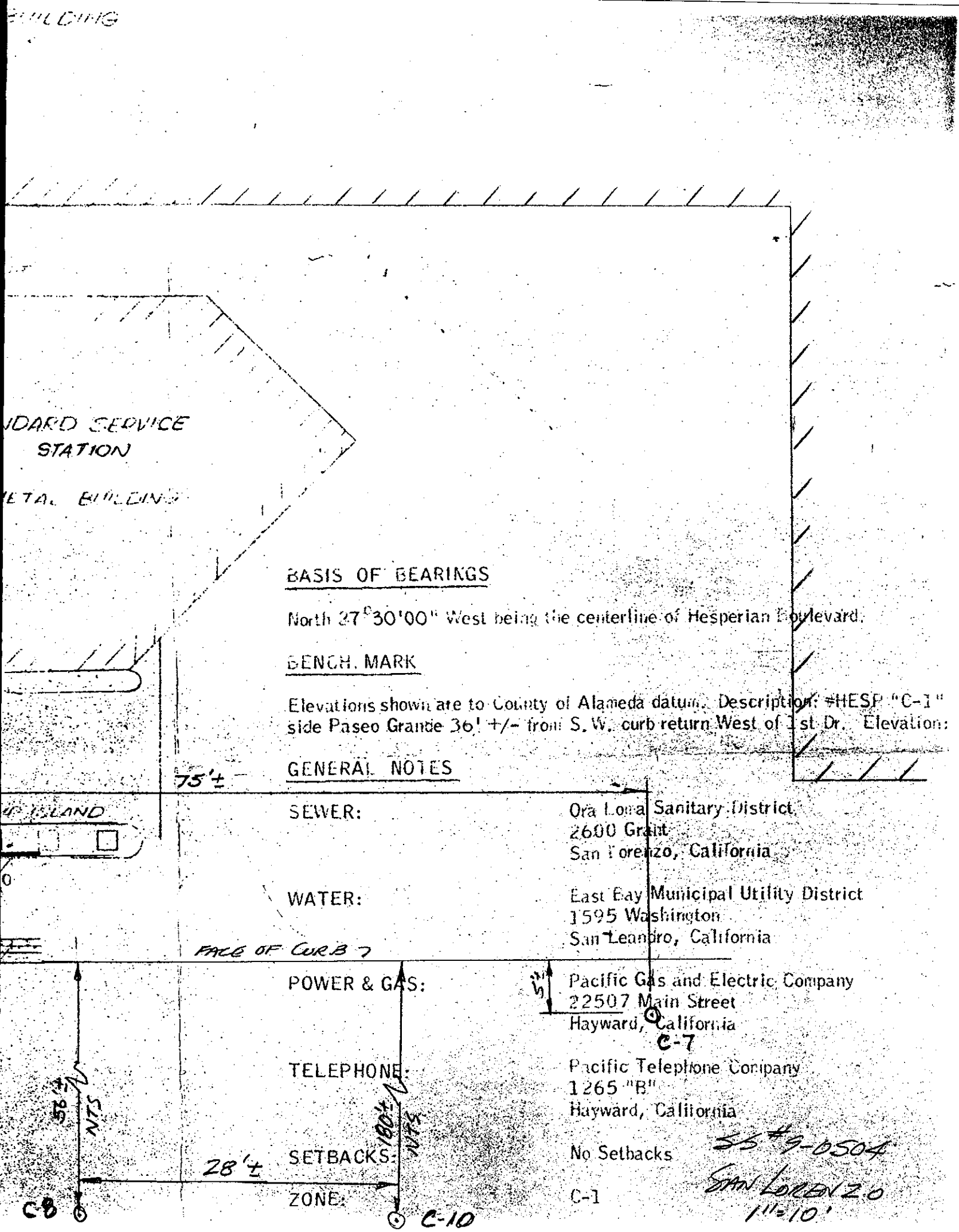
cc. Mr. Bill Scudder, Chevron

Mr. Ron Sykora
David E. Bohannon Organization
60 Hillsdale Mall
San Mateo, CA 94403

T-7-59



4-24-73



BASIS OF BEARINGS

North 27°30'00" West being the centerline of Hesperian Boulevard.

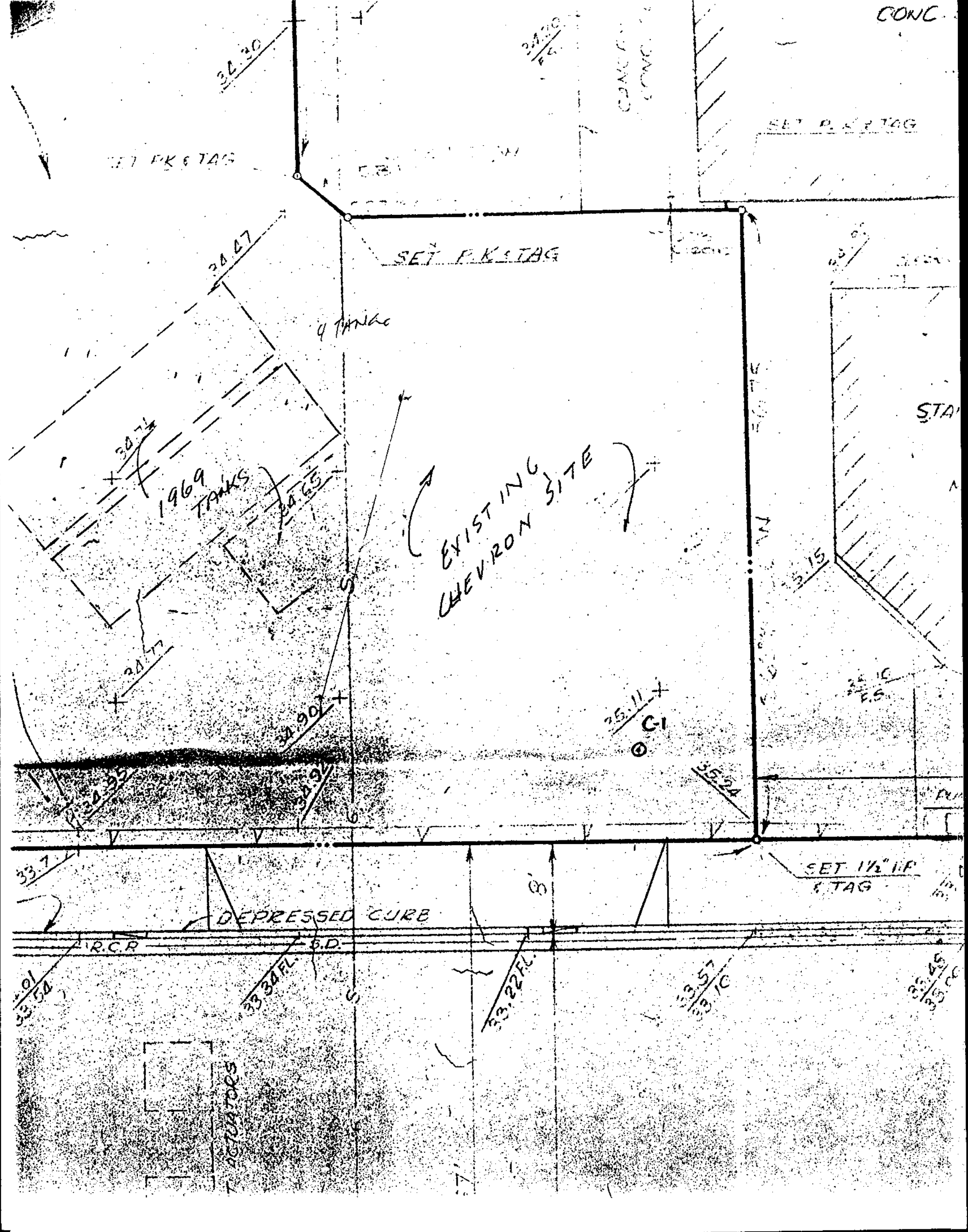
BENCH MARK

Elevations shown are to County of Alameda datum. Description: #HESP "C-1" side Paseo Grande 36' +/- from S.W. curb return West of 1st Dr. Elevation:

GENERAL NOTES

SEWER:	Ora Loma Sanitary District 2600 Grant San Lorenzo, California
WATER:	East Bay Municipal Utility District 1595 Washington San Leandro, California
POWER & GAS:	Pacific Gas and Electric Company 22507 Main Street Hayward, California
TELEPHONE:	Pacific Telephone Company 1265 "B" Hayward, California
SETBACKS:	No Setbacks
ZONE:	C-1

55 #9-0504
SAN LORENZO
1" = 10'



CONC
SET P.K. & TAG
SET P.K. & TAG
SET P.K. & TAG
4 TANKS
1969 TANKS
EXISTING CHEVRON SITE
STA
C1
SET 1½" I.P. & TAG
DEPRESSED CURB
R.C.P.
S.D.
33.34 FL.
33.22 FL.
ACTUATORS
34.30
34.47
34.90
34.92
35.11
35.24
35.15
33.7
33.54
33.57

ALAMEDA COUNTY
HEALTH CARE SERVICES
AGENCY
DAVID J. KEARS, Agency Director

ENVIRONMENTAL HEALTH SERVICES
ENVIRONMENTAL PROTECTION (LOP)
1131 Harbor Bay Parkway, Suite 250
Alameda, CA 94502-6577
(510) 567-6700
FAX (510) 337-9335

January 21, 1997

Mr. Philip Briggs
Chevron Products Company
P.O. Box 5004
San Ramon, CA 94583-0804

Re: Investigations at Chevron Service Station #9-0504, located at 15900 Hesperian Blvd., San Lorenzo, CA

Dear Mr. Briggs,

This office has reviewed the October 18, 1996 Groundwater Transport Evaluation for the above site. Due to the fluctuating benzene concentrations observed in Well C-8, this office is requesting that a 95UCL be used in place of the arithmetic mean of the historical benzene concentrations observed in Well C-8. A minimum of 10 sample concentrations should be used to estimate the 95UCL. This office is also requesting that you submit references or rationale for the effective porosity value (n_e) that was used in the groundwater seepage (v_x) and retardation (R_f) equations.

The transport evaluation determined that up to 8ppb of benzene will reach Well C-10, a residential area, in ten years. Based on the Tier 1 table of the American Society for Testing and Materials' STANDARD GUIDE FOR RISK-BASED CORRECTIVE ACTION APPLIED AT PETROLEUM RELEASE SITES, this concentration exceeds the residential threshold value for the "Groundwater Vapor Intrusion into Buildings" scenario at a 10^{-6} excess cancer risk. Following reevaluation of groundwater transport, using the above requested 95UCL, you will most likely be requested to prepare a Tier 1 risk assessment to address the predicted benzene concentrations beneath the residential area.

It is still uncertain as to whether the contaminant concentrations observed in off-site wells C-7 and C-8 are partially resulting from off-site sources, such as the former Standard Oil (Standard) gas station, located immediately southeast of the site. Per our conversation on January 21, 1997, you stated that you would submit overlays on aerial photographs showing that the underground storage tanks and dispenser islands associated with the former Standard site were located beneath the currently existing Hesperian Blvd., which has already been adequately investigated for soil and groundwater contamination. However, if the referenced overlays are not sufficient at showing this, then additional investigations may be needed to confirm that there is no on-going source of contamination at the former Standard site. It is the understanding of this office, that all Standard sites were purchased by Chevron Products Company and therefore, Chevron Products Company would be responsible for investigating any potential contamination resulting from this former Standard site.

Additionally, it is the understanding of this office that a utility trench survey was never conducted to assure that the off-site contaminant plume is not being diverted down the street through any trenches. This office is requesting that you look into this possibility and report the findings to this office in the next groundwater monitoring report.

Lastly, in response to your request in your October 22, 1996 letter to our office, Wells C-4, C-5, and C-6 may be switched to annual monitoring due to the fact that groundwater samples collected from these wells have not identified TPHg or benzene concentrations above detection limits in the last six quarters. However, due to the sensitive locations of Wells C-9, C-10, and C-11, which are located in a residential area, and the fact that groundwater samples collected from these wells have more recently started to identify benzene concentrations, these wells should be switched to semi-annual rather than annual monitoring. Wells C-1, C-2, C-3, C-7, and C-8 should continue to be monitored on a quarterly basis due to elevated or fluctuating contaminant concentrations observed in these wells.

Please submit a response to our comments on the groundwater transport evaluation, and the third-quarter 1996 groundwater monitoring report, which is currently overdue, to this office within 45 days of the date of this letter. Please be reminded that the groundwater monitoring report should address any concerns regarding utility line trenches along Hesperian Blvd.

If you have any questions or comments, please contact me at (510) 567-6763.

Sincerely,

Juliet Shin
Senior Hazardous Materials Specialist

cc: Dan Gallagher (faxed him info)
Deanna Harding, Gettler-Ryan Inc., 6747 Sierra Court, Ste J, Dublin, CA 94568
Acting Chief

DATE: Jan 16 19 97

TO: Dan Gallagher

FAX # (510) 242-1380

Misc. Report

Total number of pages including cover sheet __

FROM: Juliet Shin
ACDEH

NOTE:

PLEASE RESPOND BY FAX ONLY.

Dan, Please look on 3rd page for reference to CAL EPA toxicity for benzene of 0.1. I guess this slope factor is used for California sites in RBCA.

(SMILE) HAVE A NICE DAY
DO SOMETHING FOR OUR ENVIRONMENT

JDSB/0096

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TRANSMIT REPORT

1997,01-16 17:40
510 337 9335
PLAMEDA CO EHS HAZ-OPS

ALAMEDA COUNTY ENVIRONMENTAL HEALTH SERVICES

ENVIRONMENTAL PROTECTION DIVISION
1131 Harbor Bay Parkway, Suite 250
Alameda, CA 94502-6577
Telephone (510) 567-6700 Fax (510) 337-9335

FAX COVER SHEET

DATE: Jan 16, 1997

TO: Dan Gallagher

FAX # (510) 242-1380

Total number of pages including cover sheet 6

FROM: Juliet Shin
ACDEH

NOTE:

PLEASE RESPOND BY FAX ONLY.

Dan, Please look on 3rd page for reference to CAL EPA toxicity for benzene of 0.1. I guess this slope factor is used for California sites in RBCA.

(SMILE) HAVE A NICE DAY
DO SOMETHING FOR OUR ENVIRONMENT

JDSB/0396

CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD
SAN FRANCISCO BAY REGION
2101 WEBSTER STREET, Suite 500
OAKLAND, CA 94612
Tel: (510) 286-1255
FAX: (510) 286-1380
BBS: (510) 286-0404

January 5, 1996

MEMORANDUM

To: **San Francisco Bay Area Agencies Overseeing UST Cleanup and Other Interested Parties**

Subject: **Regional Board Supplemental Instructions to State Water Board December 8, 1995, Interim Guidance on Required Cleanup at Low-Risk Fuel Sites**

These supplemental instructions are intended for the regulatory and technical audience[1] to expand on the interim guidance provided in the December 8, 1995, letter from Walt Pettit, Executive Director of the State Water Resources Control Board regarding the findings of the report entitled "Recommendations to Improve the Cleanup Process for California's Leaking Underground Fuel Tanks (LUFTs)" issued by the Lawrence Livermore National Laboratory (LLNL). Mr. Pettit's letter urges cleanup agencies to proceed aggressively to close low risk soil only cases and not to require active remediation of low risk groundwater cases.

The LLNL report indicates that bioremediation of petroleum is an important factor in stabilizing plumes and may be the only remedial activity necessary in the absence of free product. After a review of existing literature, white papers submitted to the SB1764 committee, and an extensive study of leak cases statewide, the LLNL report found that petroleum plumes tend to stabilize close to the source, generally occur in shallow groundwater and rarely impact drinking water wells in the state.

It is in light of these findings and the "lessons learned" over the past ten years in San Francisco Bay Region that these supplemental instructions are written. Strategies are presented for closing low risk soil only cases and managing low risk groundwater impact cases utilizing natural bioremediation as the preferred remedial alternative.

These two classes of sites, low risk soils and low risk groundwater, are not intended to include the whole universe of petroleum leaks. There are higher risk sites that may require immediate action and remediation to protect human health and the environment. The responsibility still lies with the discharger for investigation of the subsurface to gather the data necessary to make these decisions. It is the responsibility of the regulator to only request that information which is required to make the necessary regulatory decisions regarding the site.

It is the responsibility of everyone in the process, particularly consultants and regulators, to keep up with current research on site investigation, fate and transport of contaminants, analytical methods, and other topics that affect the decision making process. Training and education should be a high priority for all parties participating in the site cleanup process. The State and Regional Boards will be providing training to the local agencies and others affected. In addition, consulting by the Regional Board's toxicologist, Dr. Ravi Arulanantham, is available on a limited basis to local agencies.

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[1] Additional supplemental information is also provided from the Regional Board in the form of a Fact Sheet in a "Question and Answer" format.

LOW RISK SOILS CASE

Definition:

1) **The leak has been stopped and ongoing sources, including free product, removed or remediated.**

   The tank or appurtenant structure that leaked must be repaired or permanently closed per Chapter 7, Section 2672 of the UST regulations. Free product shall be removed to the extent practicable per Chapter 5, Section 2655 of the UST regulations.

   Free product or soil which contains sufficient mobile constituents (leachate, vapors, or gravity flow) to degrade groundwater quality above water quality objectives or result in a significant threat to human health or the environment should be considered a source.

   For old releases, the absence of current groundwater impact is often a good indication that residual concentrations present in the soil are not a source of pollution. In general, if impacted soil is not in contact, or expected to come in contact, with or very close to the groundwater, it is unlikely that it is a significant source of pollution.

2) **The site has been adequately characterized.**
   The extent of the subsurface impact should be defined to the degree that is necessary to determine if the site poses a threat to human health, the environment, or other sensitive nearby receptors. The level of detail required at a given site will depend upon the presence or absence of potential receptors and exposure pathways. Delineating plumes to non-detect levels is not required at all sites.

   It is assumed that subsurface conditions are highly variable and that there is always some uncertainty associated with evaluating data at a site. However, the cost of obtaining additional data must be weighed against the benefit of obtaining that data and the effect the data may have on the certainty of decisions to be made at the site.

3) **Little or no groundwater impact currently exists and no contaminants are found at levels above established MCLs or other applicable water quality objectives.**

   By definition, soils only cases do not have significant groundwater impacts.

4) **No water wells, deeper drinking water aquifers, surface water, or other sensitive receptors are likely to be impacted.**

5) **The site presents no significant risk to human health.**

   The American Society of Testing and Materials' (ASTM) standard for Risked Based Corrective Action (RBCA), ASTM E-1739-95, details a framework and provides a methodology to perform a tiered risk analysis at petroleum release sites. This methodology incorporates EPA risk assessment practices to determine non-site specific (tier 1 look up table which provides generic risk based screening levels) and site specific (tier 2 and tier 3) clean up levels that are protective of public health and environmental resources.

In addition to the various methods of contaminant transport described in the ASTM standard, other methods may also be acceptable in determining health and environmental protective levels.

When using the ASTM lookup table risk based screening levels (RBSLs) one has to multiply the RBSL value for benzene by a factor of 0.29 to obtain the corrected value for California (CAL EPA has a higher toxicity value of 0.1 as compared to the USEPA value of 0.029 for benzene). All other values in the table remain the same.

6) **The site presents no significant risk to the environment.**
RBCA has no specific guidance for evaluating environmental risk although the basic framework is appropriate if site specific exposure pathways and ecological receptors are included. If the site has a potential to significantly impact surface water, wetlands, other sensitive receptors, it should not be considered low risk.

Management Strategy

Low risk soils cases should be closed when it is determined that site conditions conform to the above criteria. Further remediation or monitoring is not required. If the highest permitted use (e.g., residential) is not protected by the chosen cleanup levels, then land use restrictions or notifications for the site may be appropriate.

LOW RISK GROUNDWATER CASE

Definition

1) **The leak has been stopped and ongoing sources, including free product, have been removed or remediated** (see Low Risk Soils Case Definition #1).

2) **The site has been adequately characterized** (see Low Risk Soils Case Definition #2).

   The presence or absence of horizontal and vertical conduits which could act as preferential pathways for the dissolved plume should be evaluated as a part of the site characterization process.

3) **The dissolved hydrocarbon plume is not migrating.**
   The LLNL report found that petroleum plumes in the subsurface tend to stabilize once the source is removed. Natural biodegradation of hydrocarbons is the main reason why this stability occurs.

   Chemical concentrations of hydrocarbons in groundwater that decrease or do not change with time are the best indicators of a stable plume. Comparison of background and hydrocarbon plume concentrations of inorganic ions such as oxygen, iron, nitrate, sulfate, and others, can provide evidence of biodegradation at a given site. These data may not be required to determine plume stability but can supplement other lines of evidence.

   Stable or decreasing plumes often display short term variability in groundwater concentrations. These effects are due to changes in groundwater flow, degradation rates, sampling procedures, and other factors which are inherently variable. This behavior should not necessarily be construed as evidence of an unstable plume but may be the natural variations of a stable plume in the environment.

4) **No water wells, deeper drinking water aquifers, surface water, or other sensitive receptors are likely to be impacted.**

5) **The site presents no significant risk to human health.**

   For this analysis, the groundwater ingestion pathway need not be considered if the groundwater is not currently used as a source of drinking water or projected to be used within the life of the plume. (See Low Risk Soils Case Definition #5)

6) **The site presents no significant risk to the environment.**

   RBCA has no specific guidance for evaluating environmental risk although the basic framework is appropriate if site specific exposure pathways and ecological receptors are included. If the site has a potential to significantly impact surface water, wetlands, other sensitive receptors, it should not be considered low risk. (See Low Risk Soils Case Definition #6)

Management Strategy

1) **Passive bioremediation should be the preferred remedial alternative unless there is a compelling reason to do otherwise.**

A partial list of reasons that may justify active remediation are listed below:

- Groundwater within the plume is likely to be used before natural biodegradation is projected to complete the cleanup.
- Sensitive receptors have been identified and are projected to be adversely impacted.
- The plume is migrating significantly.
- Another remedial alternative is shown to be more cost effective.

Generally, if any of these conditions or others deemed to be compelling are met, a more aggressive remedial approach may be appropriate.

2) **Monitor the site to determine plume stability and the effectiveness of the remedial strategy.**

Monitoring is necessary to determine if site conditions will remain stable or improve over time. One hydrologic cycle (four quarters) of monitoring data is usually considered to be the minimum necessary to determine site conditions. This assumes depth to groundwater has significant seasonal variation and that no longer term variation occurs. If little seasonal fluctuation is expected, then one year of monitoring may not be required. Conversely, if depth to groundwater is expected to change significantly from year to year due to droughts, adjacent pumping, or other factors, then one year of monitoring may not be adequate.

Data from adjacent or nearby sites may be useful in determining groundwater fluctuations and other regional aquifer characteristics. Frequency of monitoring and the number of monitoring points may be adjusted after site characterization is completed. At many existing sites, these data may already have been collected.

Coordinated & Prepared by: Kevin L. Graves, P.E.
Associate Water Resources Control Engineer
January 5, 1996

Concur: Stephen I. Morse, P.E.
Chief, Toxics Cleanup Division
January 5, 1996

2007

10/08/96

→ Discussed case w/ Phil Briggs.

He confirmed that there was a Standard station located adjacent (to the west) to the current Chevron station but believes natural attenuation is taking care of Contaminant conc..

1) Asked him to supply us w/ groundwater velocity for this site. This info. would help us evaluate request to reduce sampling frequency of wells (note houses are located directly downgradient from site.

2) Asked him to evaluate location of USTs of former station since it appears that C-7 & C-8 conc. originate from another source. This evaluation could be accomplished 1st qualitatively and then via w/p for field work, if necessary. # Need to verify what/where ↑ conc. of soil/gw are before we can evaluate risk & Closure.

→ Requested WP to evaluate in our letter dated 9/6/96.

Discuss site w/ Phil Briggs

→ Define plume – info on Standard station
Should have ↑ levels of soil & gw cont. on-site in order to Completely define site ~~to Complete~~ Closure.
↳ no argument is convincing for

→ Agree monitoring schedule could be reduced,
Could we get a gw velocity for this site first?

→ Issues relating to Closure: time/regulations,
TPH levels not attenuating – should also be included in risk analyses!

- Define plume SE – need soil & gw concentrations in the hot zone. ✓
- GW velocity ✓

Phil is on vacation
↳ Sept 16 – 20 – will return on Sept 23.

RO07

Notes to file Re: 15900 Hesperian Blvd

→ Per Chevron, a Standard station was located adjacent & to the SE of current Chevron station.

★ Where was the UST pit located @ the ~~Standard~~ station?

If UST pits were in different locations then a soil & gw investigation should be completed ~~for~~ adjacent to Chevron.

★ Do we need to open another LOP case if UST pits are in different parcels? no per JS

Re: GW monitoring pampling schedule

C-1	q or (a)	→ Eliminate pampling of C-4, C-5, and C-6.
C-2	q or (a)	
C-3	(a) or a	
C-4	eliminate	→ Maintain semi-annual sampling (JS thought annual ok) for C-1, C-2, C-3, C-7, C-8, C-9, C-10, and C-11. → 1st get gw velocity calculation.
C-5	eliminate	
C-6	eliminate	
C-7	q or (a)	
C-8	q or (a)	
C-9	(a) or a	→ Calculate approx. groundwater velocity.
C-10	q or (a)	
C-11	q or (a)	→ Calc. attenuation rate

→ How will this be dealt w/ when applying for closure & completing an evaluation of risk?

★ Elevated TPHg levels have not attenuated in gw in downgradient wells (∴ no receptors) & still >1,000 on-site as well.

Chevron

September 9, 1996

Chevron ~~U.S.A.~~ Products Company
6001 Bollinger Canyon Road
Building L
San Ramon, CA 94583
P.O. Box 5004
San Ramon, CA 94583-0804

~~Marketing - Northwest Region~~
Phone 510 842 9500

Ms. Amy Leach
Alameda County Health Care Services
Department of Environmental Health
1131 Harbor Bay Parkway, Suite 250
Alameda, CA 94502-6577

Re: Chevron Service Station #9-0504
15900 Hesperian Blvd., San Lorenzo, California

Dear Ms. Leech:

Enclosed is the First and Second Quarter Groundwater Monitoring Reports for 1996, that were prepared by our consultant Gettler-Ryan Inc. for the above noted site. I apologize for the delay in the submittal of the First Quarter Report and future reports will be submitted in a timely manner. Ground water samples were collected and analyzed for TPH-g, BTEX and MtBE constituents.

The results of sampling from monitoring wells C-4, C-5, C-6, C-9, C-10 and C-11 continue to be below method detection limits for all constituents. Benzene constituents for monitoring wells C-7 and C-8 show a decrease from the fourth quarter results. There was a slight increase in benzene constituent for monitoring well C-1 from the fourth quarter, while the benzene constituent remained the same for well C-2. In the first quarter, depth to ground water varied from 6.63 feet to 10.73 feet below grade, with direction of flow to the southwest. In the second quarter, depth to ground water varied from 8.10 to 12.41 feet below grade, with direction of flow to the south.

It appears that the dissolved petroleum hydrocarbon plume has stabilized and it is not necessary to restart the ground water extraction system at this time, as natural attenuation may be occurring.

Chevron therefore requests, that the sampling period be adjusted as follows: monitoring wells C-4, C-5, C-6, C-9, C-10 and C-11 be reduced to annual sampling; with the remaining wells continued to be sampled quarterly. If natural attenuation continues, and the sampling results continue to be similar or decrease in the next three years, Chevron will than request closer.

For your information, historical records were reviewed and it appears that a Standard Service Station was located easterly from Chevron's present location. Since it appears that natural attenuation is occurring at this site, Chevron is not expecting to do any further investigation. If you have any questions or comments, call me at (510) 842-9136. For your information, Mark Miller has been transferred to another position within Chevron, and I have taken over this project from him.

Sincerely,
CHEVRON PRODUCTS COMPANY

Philip R. Briggs
Site Assessment and Remediation Project Manger

We would need to know soil & gw conc. in "hot" area.

Enclosure

cc. Mr. Bill Scudder, Chevron

Mr. Ron Sykora
David E. Bohannon Organization
60 Hillsdale Mall
San Mateo, CA 94403

StId 776

September 6, 1996

Attn: Philip Briggs
Chevron USA Products Company
PO Box 5004
San Ramon CA 94583-0804

Subject: Chevron Service Station #9-0504 located at 15900 Hesperian Blvd., San Lorenzo, CA

Dear Mr. Briggs:

This office has recently completed a review regarding the status of the subject site. As we discussed during our telephone conversation on September 6, 1996, the last quarterly monitoring report this office has received regarding this site was Gettler-Ryan Inc.'s report, dated January 15, 1996, documenting the December 11, 1995 sampling event, and we are still waiting on a work plan from your office which addresses the extent of contamination southeast of the former UST pit.

Due to the elevated levels of TPH-G and BTEX found in off-site monitoring wells C-7 and C-8 located southeast of the former UST complex, this office requested in a letter, dated July 5, 1994, that Chevron submit a work plan addressing the delineation of the groundwater contaminant plume in this area. In response to this request, Mark Miller of your office suggested in a letter dated January 3, 1995, that the observed contamination may be caused from another source other than the subject site, namely a former service station that was reportedly identified in areal photos as having been located adjacent to the Chevron site in the vicinity of monitoring well C-7. Several correspondence to us from Mr. Miller since that time have indicated that your office is attempting to collect historical ownership and land-use information regarding the adjoining property. To date however, we have not received any confirming information that this contamination is from another source other than the subject site nor have we received the requested work plan.

Since over two years have elapsed and confirming information has still not been provided to this office regarding an off-site source, please forward to this office a work plan which proposes to define the extent of gasoline contamination southeast of the subject site. In addition to the work plan, please submit the quarterly reports for the first, second, and if available, third quarters of 1996 to this office **no later than September 27, 1996.**

1st + 2nd QMS Rec'd 9/16/96

Please contact me at (510)567-6755 if you have questions or require additional information.

Sincerely,

Amy Leech
Hazardous Materials Specialist

c: Gordon Coleman - File(ALL)

Chevron

February 16, 1996

Chevron U.S.A. Products Company
6001 Bollinger Canyon Rd., Bldg. L
P.O. Box 5004
San Ramon, CA 94583-0804

Mark A. Miller
SAR Engineer
Phone No. 510 842-8134
Fax No. 510 842-8252

Ms. Amy Leech
Alameda County Health Care Services
Department of Environmental Health
1131 Harbor Bay Parkway, Suite 250
Alameda, CA 94502-6577

Re: Chevron Service Station #9-0504
15900 Hesperian Boulevard, San Lorenzo, CA

Dear Ms. Leech:

Enclosed is the Quarterly Groundwater Sampling Report dated January 15, 1996, prepared by our consultant Gettler-Ryan, Inc. for the above referenced site. As indicated in the report, ground water samples collected were analyzed for total petroleum hydrocarbons as gasoline (TPH-G) and BTEX. Dissolved concentrations of these constituents observed during the past quarter are consistent with historical measurements. Depth to groundwater was measured at approximately 9.0 to 13.7 feet below grade and the direction of flow is to the south-southwest.

The ground water extraction system is temporarily off due to a small leak in the system piping and carbon breakthrough. Current ground water monitoring data suggests that it is not necessary to restart the system at this time as the dissolved hydrocarbon plume appears to be stable.

As previously indicated, we are reviewing historical records to determine historical surrounding property usage. We hope this information will clarify the higher hydrocarbon concentrations observed in monitor well C-7. The last step in this process is to obtain the results ~~of a title~~ search to determine previous owners, etc. We anticipate completing this review during March, 1996.

If you have any questions or comments, please do not hesitate to contact me at (510) 842-8134.

Phil Briggs 842-9136

Sincerely,
CHEVRON U.S.A. PRODUCTS COMPANY

Mark A. Miller
Site Assessment and Remediation Engineer

Enclosure

ENVIRONMENTAL PROTECTION
96 FEB 20 PM

cc: Mr. S.A. Willer
Ms. B.C. Owen

Mr. Ron Sykora
David E. Bohannon Organization
60 Hillsdale Mall
San Mateo, CA 94403

Chevron

November 19, 1995

Chevron U.S.A. Products Company
6001 Bollinger Canyon Rd., Bldg. L
P.O. Box 5004
San Ramon, CA 94583-0804

Mark A. Miller
SAR Engineer
Phone No. 510 842-8134
Fax No. 510 842-8252

Ms. Amy Leech
Alameda County Health Care Services
Department of Environmental Health
1131 Harbor Bay Parkway, Suite 250
Alameda, CA 94502-6577

Re: Chevron Service Station #9-0504
15900 Hesperian Boulevard, San Lorenzo, CA

Dear Ms. Leech:

Enclosed is the Quarterly Groundwater Sampling Report dated October 27, 1995, prepared by our consultant Gettler-Ryan, Inc. for the above referenced site. As indicated in the report, ground water samples collected were analyzed for total petroleum hydrocarbons as gasoline (TPH-G) and BTEX. Dissolved concentrations of these constituents observed during the past quarter are consistent with historical measurements. Depth to groundwater was measured at approximately 9.3 to 13.7 feet below grade and the direction of flow is to the south-southwest.

The ground water extraction system is temporarily off due to a small leak in the system piping and carbon breakthrough. Current ground water monitoring data suggests that it is not necessary to restart the system at this time as the dissolved hydrocarbon plume appears to be stable.

As previously indicated, we are reviewing historical records to determine historical surrounding property usage. We hope this information will clarify the higher hydrocarbon concentrations observed in monitor well C-7. The last step in this process is to obtain the results of a title search to determine previous owners, etc. We anticipate completing this review during December, 1995.

If you have any questions or comments, please do not hesitate to contact me at (510) 842-8134.

Sincerely,
CHEVRON U.S.A. PRODUCTS COMPANY

Mark A. Miller
Site Assessment and Remediation Engineer

Enclosure

cc: Mr. S.A. Willer
Ms. B.C. Owen

Mr. Ron Sykora
David E. Bohannon Organization
60 Hillsdale Mall
San Mateo, CA 94403

Chevron

September 19, 1995

Chevron U.S.A. Products Company
6001 Bollinger Canyon Rd., Bldg. L
P.O. Box 5004
San Ramon, CA 94583-0804

Site Assessment & Remediation Group
Phone (510) 842-9500

Ms. Amy Leech
Alameda County Health Care Services
Department of Environmental Health
1131 Harbor Bay Parkway, Suite 250
Alameda, CA 94502-6577

Re: Chevron Service Station #9-0504
15900 Hesperian Boulevard, San Lorenzo, CA

Dear Ms. Leech:

Enclosed is the Quarterly Ground Water Sampling Report dated August 4, 1995, prepared by our consultant Gettler-Ryan, Inc. for the above referenced site. As indicated in the report, ground water samples collected were analyzed for total petroleum hydrocarbons as gasoline (TPH-G) and BTEX. Dissolved concentrations of these constituents observed during the past quarter are consistent with historical measurements. Depth to groundwater was measured at approximately 8.3 to 12.6 feet below grade and the direction of flow is to the south-southwest.

The ground water extraction system is temporarily off due to a small leak in the system piping and carbon breakthrough. Current ground water monitoring data suggests that it is not necessary to restart the system at this time as the dissolved hydrocarbon plume appears to be stable.

As previously indicated, we are reviewing historical records to determine historical surrounding property usage. We hope this information will clarify the higher hydrocarbon concentrations observed in monitor well C-7. We anticipate completing this review during October, 1995.

If you have any questions or comments, please do not hesitate to contact me at (510) 842-8134.

Sincerely,
CHEVRON U.S.A. PRODUCTS COMPANY

Mark A. Miller
Site Assessment and Remediation Engineer

Enclosure

cc: Mr. S.A. Willer
Ms. B.C. Owen

Mr. Ron Sykora
David E. Bohannon Organization
60 Hillsdale Mall
San Mateo, CA 94403

P:\FILES\SITES\0-2500\90504Q12.DOC

Chevron

June 15, 1995

Chevron U.S.A. Products Company
6001 Bollinger Canyon Rd., Bldg. L
P.O. Box 5004
San Ramon, CA 94583-0804

Site Assessment & Remediation Group
Phone (510) 842-9500

Ms. Amy Leech
Alameda County Health Care Services
Department of Environmental Health
1131 Harbor Bay Parkway, Suite 250
Alameda, CA 94502-6577

Re: Chevron Service Station #9-0504
15900 Hesperian Boulevard, San Lorenzo, CA

Dear Ms. Leech:

Enclosed is the Quarterly Ground Water Sampling report dated May 5, 1995, prepared by our consultant Gettler-Ryan, Inc. for the above referenced site. As indicated in the report, ground water samples collected were analyzed for total petroleum hydrocarbons as gasoline (TPH-G) and BTEX.

Dissolved concentrations of these constituents observed during the past quarter have returned to historical levels. Low concentrations of hydrocarbons detected in samples collected last quarter from C-4, C-6, C-9, C-10, and C-11 have decreased to concentrations below method detection limits. At this time the reason for the anomalous detections is unclear, however it may have been related to cross contamination during the sample collection and handling process. Depth to groundwater was measured at approximately 6.7 to 10.8 feet below grade and the direction of flow is to the south-southwest.

The ground water extraction system is temporarily off due to a small leak in the system piping and carbon breakthrough. Current ground water monitoring data suggests that it is not necessary to restart the system at this time as the dissolved hydrocarbon plume appears to be stable.

As previously indicated, we are reviewing historical records to determine historical surrounding property usage. We hope this information will clarify the higher hydrocarbon concentrations observed in monitor well C-7.

If you have any questions or comments, please do not hesitate to contact me at (510) 842-8134.

Sincerely,
CHEVRON U.S.A. PRODUCTS COMPANY

Mark A. Miller
Site Assessment and Remediation Engineer

Enclosure

cc: Mr. S.A. Willer
Ms. B.C. Owen

Mr. Ron Sykora
David E. Bohannon Organization
60 Hillsdale Mall
San Mateo, CA 94403

white -env.health
yellow -facility
pink -files

ALAMEDA COUNTY, DEPARTMENT OF ENVIRONMENTAL HEALTH

Hazardous Materials Inspection Form

80 Swan Way, #200
Oakland, CA 94621
(415) 271-4320

II,III

Site ID # ____ Site Name Chevron Today's Date 4/29/94

Site Address 15900 Hesperian Blvd

City San Lorenzo Zip 94 Phone ____

____ MAX AMT stored > 500 lbs, 55 gal., 200 cft.?

Inspection Categories:
____ I. Haz. Mat/Waste GENERATOR/TRANSPORTER
____ II. Business Plans, Acute Hazardous Materials
__/__ III. Underground Tanks

* Calif. Administration Code (CAC) or the Health & Safety Code (HS&C)

II.A BUSINESS PLANS (Title 19)

___	1. Immediate Reporting	2703
___	2. Bus. Plan Stds.	25503(b)
___	3. RR Cars > 30 days	25503.7
___	4. Inventory Information	25504(a)
___	5. Inventory Complete	2730
___	6. Emergency Response	25504(b)
___	7. Training	25504(c)
___	8. Deficiency	25505(a)
___	9. Modification	25505(b)

II.B ACUTELY HAZ. MATLS

___	10. Registration Form Filed	25533(a)
___	11. Form Complete	25533(b)
___	12. RMPP Contents	25534(c)
___	13. Implement Sch. Req'd? (Y/N)	
___	14. OffSite Conseq. Assess.	25524(c)
___	15. Probable Risk Assessment	25534(d)
___	16. Persons Responsible	25534(g)
___	17. Certification	25534(f)
___	18. Exemption Request? (Y/N)	25536(b)
___	19. Trade Secret Requested?	25538

III. UNDERGROUND TANKS (Title 23)

General

___	1. Permit Application	25284 (H&S)
___	2. Pipeline Leak Detection	25292 (H&S)
___	3. Records Maintenance	2712
___	4. Release Report	2651
___	5. Closure Plans	2670

Monitoring for Existing Tanks

___ 6. Method
1) Monthly Test
2) Daily Vadose
Semi-annual gndwater
One time soils
3) Daily Vadose
One time soils
Annual tank test
4) Monthly Gndwater
One time soils
5) Daily Inventory
Annual tank testing
Cont pipe leak det
Vadose/gndwater mon.
6) Daily Inventory
Annual tank testing
Cont pipe leak det
7) Weekly Tank Gauge
Annual tank tsting
8) Annual Tank Testing
Daily Inventory
9) Other ____

___	7. Precis Tank Test Date: ____	2643
___	8. Inventory Rec.	2644
___	9. Soil Testing.	2646
___	10. Ground Water.	2647

New Tanks

___	11. Monitor Plan	2632
___	12. Access. Secure	2634
___	13. Plans Submit Date: ____	2711
___	14. As Built Date: ____	2635

Rev 6/88

Comments:

The gravel below the tank (9 feet) appeared moist and it was hard to tell whether it was stained or just moist. So then a separate stockpile was made with the gravel and 2 samples collected & composited into one.

II, III

Contact: ____

Title: ____ Inspector: Madhulika Logan

Signature: [signature] Signature: [signature]

R007

8/25

15900 Hesperian

- If you intend on opting for non-attainment zone status for this site, you will be required to define the "zero line" to assure that no migration of the plume is occurring. No "zero line" has been identified in the south / southwest direction. Full characterization of the plume is required prior to qualifying for non-attainment zone (NAZ) status.
- A work plan will be submitted by the 4th Qtr 94.
- Please be reminded that NAZ is a management alternative ~~and not~~ rather than a closure alternative.
- Also, please keep in mind that NAZ has not been finalized. The draft guidelines you may currently comply w/ for NAZ may change & further requirements may be necessary.
- Levels in Well C-7 are increasing ~~in~~ C or erratic indicating that extraction from C-1 may not be effectively influencing C-7.
- Why doesn't Unocal include pH, Temp, & conductivity readings in quarterly?

Meeting w/ Mark Miller 8/29/94

- Utility lines acting as conduit? May explain contaminant in C-7. Should look into it.
- Will address further delineation to ~~East~~ & southeast of C-7.
- Give WA a call to inquire as to why no pH, conductivity & temp.
- Target for w.p. submittal by ~~Sept~~ end of Sept 94.

white -env.health
yellow -facility
pink -files

ALAMEDA COUNTY, DEPARTMENT OF ENVIRONMENTAL HEALTH

Hazardous Materials Inspection Form

80 Swan Way, #200
Oakland, CA 94621
(415) 271-4320

II,III

Site ID # ____ Site Name Chevron Today's Date 2-R9-94

Site Address 15900 Hesperian Blvd

City San Lorenzo Zip 94 Phone ____

____ MAX AMT stored > 500 lbs, 55 gal., 200 cft.?

Inspection Categories:
- ____ I. Haz. Mat/Waste GENERATOR/TRANSPORTER
- ____ II. Business Plans, Acute Hazardous Materials
- ✓ III. Underground Tanks

* Calif. Administration Code (CAC) or the Health & Safety Code (HS&C)

II.A BUSINESS PLANS (Title 19)

___	1. Immediate Reporting	2703
___	2. Bus. Plan Stds.	25503(b)
___	3. RR Cars > 30 days	25503.7
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___	5. Inventory Complete	2730
___	6. Emergency Response	25504(b)
___	7. Training	25504(c)
___	8. Deficiency	25505(a)
___	9. Modification	25505(b)

II.B ACUTELY HAZ. MAT'LS

___	10. Registration Form Filed	25533(a)
___	11. Form Complete	25533(b)
___	12. RMPP Contents	25534(c)
___	13. Implement Sch. Req'd? (Y/N)	___
___	14. OffSite Conseq. Assess.	25524(c)
___	15. Probable Risk Assessment	25534(d)
___	16. Persons Responsible	25534(g)
___	17. Certification	25534(l)
___	18. Exemption Request? (Y/N)	25536(b)
___	19. Trade Secret Requested?	25538

III. UNDERGROUND TANKS (Title 23)

General

___	1. Permit Application	25284 (H&S)
___	2. Pipeline Leak Detection	25292 (H&S)
___	3. Records Maintenance	2712
___	4. Release Report	2651
___	5. Closure Plans	2670

Monitoring for Existing Tanks

___ 6. Method
1) Monthly Test
2) Daily Vadose
Semi-annual gndwater
One time soils
3) Daily Vadose
One time soils
Annual tank test
4) Monthly Gndwater
One time soils
5) Daily Inventory
Annual tank testing
Cont pipe leak det
Vadose/gndwater mon.
6) Daily Inventory
Annual tank testing
Cont pipe leak det
7) Weekly Tank Gauge
Annual tank tsting
8) Annual Tank Testing
Daily Inventory
9) Other ____

___	7. Precis Tank Test Date: ____	2643
___	8. Inventory Rec.	2644
___	9. Soil Testing.	2646
___	10. Ground Water.	2647

New Tanks

___	11. Monitor Plan	2632
___	12. Access. Secure	2634
___	13. Plans Submit Date: ____	2711
___	14. As Built Date: ____	2635

Rev 6/88

Comments:

NICK CHIMENTO from fire dept was present for the pull.
O_2 = 2½ %.
LEL = less than 2%.

Jeff Monroe collected 2 samples from the stockpile & composited into one. The sidewalls looked clean and there was no appearance of staining in the soil. The tank looked pretty clean & no holes in it.
Sample A — 9 feet — WOE
Sample B — 9 feet - fill end — WOW.

WOE (WOW) A | B (WOW) Rover end

A sample was also collected from the gravel (2 composited into one) II, III

Contact: ____

Title: ____ Inspector: Madhulla Logan

Signature: ____ Signature: Madhulla

MEETING with CHEVRON 9/22/93
(with Mark Miller)

15900 Hesperian Blvd.

- The next quarterly will be submitted within the first or second week of October 1993. This quarterly and subsequent quarterlies will include a map showing the capture zone contours. Weiss Associates has been instructed to collect water level measurements on the remediation wells whenever they go out to the site to conduct O & M on the wells.

ALAMEDA COUNTY - ENVIRONMENTAL HEALTH - HAZARDOUS MATERIALS DIVISION

MEMORANDUM

DATE: July 9, 1992

TO: All Specialist Staff

FROM: Site Mitigation Team Ravi

SUBJ: Agenda for Risk Assessment/Risk Communication seminar
JULY 28, 1992

8.30	Welcome
8.30-10.30	Introduction to the principles of public health risk assessment - Ravi
10.30-10.45	coffee break
10.45-11.45	Workshop on risk calculations using actual field numbers - Ravi
1.00-2.00	Hazard-Versus-Outrage : A video tape by Dr. Sandman. A must for all public employees involved in environmental decision making
2.10-4.30	Principles of risk communication - Alvin Chun
4.30-5.00	Questions and answers

FACSIMILE MESSAGE

CHEVRON U.S.A. PRODUCTS COMPANY
Northwest Region
Marketing Department SR-2410 Camino Ramon

Mail Address: P.O. Box 5004, San Ramon, CA 94583-0804
(Street Address: 2410 Camino Ramon)

Reply by Facsimile: (510) 842-8252

Date: SEPTEMBER 1, 1993

To: JULIET SHIN Fax Number: 569-4757

ACHCS

From: Mark A. Miller Phone No.: (510) 842-8134

Site Assessment and Remediation Engineer

Subject: SITES FOR DISCUSSION @ 9/22 MTNG. @ 9:00

Comments: JULIET.... I'VE LISTED THE SITES WE'RE WORKING ON BELOW WHICH I'D LIKE TO GO OVER IN OUR MEETING.

CHEVRON SS# 9-0504 15900 HESPERIAN BLVD., SAN LORENZO
CHEVRON SS# 9-2394 15526 HESPERIAN BLVD., SAN LORENZO
CHEVRON SS# 9-3676 4300 MACARTHUR BLVD., OAKLAND
CHEVRON SS# 9-1153 3126 FERNSIDE, ALAMEDA
CHEVRON SS# 9-0100 2428 CENTRAL AVE., ALAMEDA
CHEVRON SS# 9-0290 1802 WEBSTER, ALAMEDA
CHEVRON SS# 9-2253 5800 COLLEGE AVE., OAKLAND
CHEVRON SS# 9-0191 900 OTIS DRIVE, ALAMEDA

NUMBER OF PAGES INCLUDING COVER SHEET 1

For additional protection, QI may sign an agreement with the RP. In that agreement, the RP would indemnify the QI for acts performed on behalf of the RP. Such an indemnity agreement only defines the rights and liabilities between the RP and the QI. This agreement would provide additional protection for the QI if the QI's actions fall below the immunity standards specified above. In such circumstances, if the QI was found liable, the RP would pay any damages that arise under the indemnity agreement.

ALAMEDA COUNTY
HEALTH CARE SERVICES
AGENCY
DAVID J. KEARS, Agency Director

RAFAT A. SHAHID, Assistant Agency Director

DEPARTMENT OF ENVIRONMENTAL HEALTH
Hazardous Materials Division
30 Swan Way, Rm. 200
Oakland, CA 94621
(510) 271-4320

May 20, 1992

Ms. Nancy Vukelich
Chevron U.S.A., Inc.
P.O. Box 5004
San Ramon, CA 94583-0804

STID 776

RE: Approval of work plan for Chevron Service Station #9-0504, located at 15900 Hesperian Blvd., San Lorenzo, California

Dear Ms. Vukelich,

This office has received and reviewed the work plan for the above site, dated April 23, 1992, for the installation of four borings around the existing underground storage tank complex. This work plan meets the approval of this Department. Per your letter, dated April 28, 1992, Chevron will implement these soil borings in conjunction with the installation of the remediation system.

If you have any question or comments, please contact Juliet Shin at (510) 271-4320.

Sincerely,

Scott O. Seery, CHMM
Senior Hazardous Materials Specialist

cc: Richard Hiett, RWQCB
Jim Ferdinand, Eden Consolidated Fire Dept.
File (JS)

ALAMEDA COUNTY HEALTH CARE SER[redacted] AGENCY

DEPARTMENT OF ENVIRONMENTAL HEALTH

MFR Sent _____ (date)

APPLICATION FORM

PURPOSE: Permit Application ☐ Service ☐ Renewal ☐ Computer No. [ ][ ][ ][ ][ ]

TYPE OF ACTION: New Premises ☐ Change of Owner ☐ Change of Name ☐ Change of Status ☐ Change of Mailing Address ☐ Inactivate ☐ Delete ☐ Unincorp. ☐

Premises Name Chevron 9-0504 SUPV. DIST. [ ] C.T. [4][ ][ ][ ][ ][ ]

A. Premises Address 15900 (Number) Hesperian Blvd (Street) San Lorenzo (City) 94580 (Zip Code) _____ (Phone)

Owner/Applicant Hydro Environmental Technologies, Inc (If corporation, also show name of corporation president) (510) 521-2684 (Phone)

B. Mailing Address 2363 (Number) Mariner Square Drive (Street) Alameda (City) 94501 (Zip Code)

SEND BILLING TO ADDRESS: A (B) (circle one)

Prior Business Name _____ Prior Owner's Name _____

Property Owner _____ (If corporation, also show name of corporation president) _____ (Phone)

Address _____ (Number) (Street) (City) (Zip Code)

E.U. NO. [ ][ ][ ] C.P. CODE [ ][ ]

FOOD CATEGORIES

Bakery
- ___ Under 2,000 sq. ft. (130)
- ___ 2,000 - 6,000 sq. ft. (131)
- ___ Over 6,000 sq. ft. (132)

Food Market, Retail
- ___ Under 3,000 sq. ft. (120)
- ___ 3,000 - 10,000 sq. ft. (121)
- ___ Over 10,000 sq. ft. (122)
- ___ **Confectionary** (125)

Restaurant
- ___ Tavern, Cocktail lounge (104)
- ___ Snack Bar (105)
- ___ Drive-In, Take Out (110)
- ___ Catering Commissary (111)
- ___ Under 26 seats (100)
- ___ 26 - 50 seats (101)
- ___ 51 - 75 seats (102)
- ___ Over 75 seats (103)
- ___ In Plant Feeding (114)
- ___ Bed & Breakfast (Cont.) (115)
- ___ Bed & Breakfast (Reg.) (116)

___ **Vending Machine**

Other Food
___ _____

Temporary Food Operation
- ___ Special Event Facility (113) (not to exceed 3 days)
- ___ Temporary Food Facility (108) (not to exceed 21 days)
- ___ Seasonal Food Facility (129) (not to exceed 45 days)

Food Vehicle
- ___ Vehicle Application Fee
- ___ Mobile Food Prep. Unit (107)
- ___ Stationary M.F.P.U. (117)
- ___ Retail Food Vehicle (112)
- ___ Itinerant Vehicle (128)

GENERAL CATEGORIES

___ **Plan Review**
___ **Special Service**

___ **Public Swimming Area**
___ **Commercial Spa**
___ **Mobilehome Park**
No. Spaces _____

Private Waste Disposal
- ___ Site Evaluation
- ___ Percolation Test
- ___ Plan Review
- ___ Installation

Holding Tank
- ___ Site Evaluation
- ___ Installation
- ___ Inspection

Water Supply-Utility
- ___ Community System
- ___ Non-Community System
- ___ State Small Water System
- ___ Local Small Water System

Private Water Supply
___ Flow, Bacti. & Chem. Anal.

Drinking Water Analysis
- ___ Bacterial
- ___ Chemical
- ___ Flow Rate

Other X site search - remed. file review

Number of Units/Hrs. 1 Fee Per Unit/Hr. $ 71.00 Total Fee $ 80.00

REMARKS: Brian Gwinn made nine (9) copies from file at $1.00 / page.

You will receive a **BILL** in accordance with Article 11 of Chapter 6, Title 3 of the Ordinance Code of Alameda County

Owner/Applicant Brian Gwinn - HETT Hydro Environmental Date 5/6/92

Specialist Pamela J Evans Phone 271-4320 Date 5-6-92

400-WA-1-4/87 WHITE—BILLING YELLOW—OFFICE PINK—APPLICANT

ALAMEDA COUNTY
HEALTH CARE SERVICES
AGENCY
DAVID J. KEARS, Agency Director

RAFAT A. SHAHID, Assistant Agency Director

DEPARTMENT OF ENVIRONMENTAL HEALTH
Hazardous Materials Division
80 Swan Way, Rm. 200
Oakland, CA 94621
(510) 271-4320

April 15, 1992

Nancy Vukelich
Chevron U.S.A., Inc.
P.O. Box 5004
San Ramon, CA 94583-0804

STID 776

RE: Chevron Service Station #9-0504, located at 15900 Hesperian Blvd., San Lorenzo

Dear Ms. Vukelich,

This office has reviewed the work plan for the installation of the groundwater extraction system at the site and is in concurrence with your plan. After the groundwater extraction system is installed and pumping begins, the monitoring of water levels in all the monitoring wells will be required. If the groundwater extraction system is found to be insufficient to capture the contaminant plume, additional steps will be necessary to remediate the problem.

According to the files, no soil samples were collected from the monitoring well locations C1 - C5 during their installation. Per your conversation with Ms. Shin on March 31, 1992, you stated that soil samples would be collected during the trenching for the installation of the groundwater extraction system. However, to fully investigate and determine the extent of the potential soil contamination at the site, additional soil sampling (i.e., soil borings) are required. Please submit a work plan, due within 45 days of receipt of this letter, for further soil investigations at the site, including a timetable for their completion.

Alameda County received the additional information requested from you on March 24, 1992, and appreciates your expediency in submitting these materials. However, one requested item has not yet been submitted to this office: a copy of the letter, written by a consultant to Chevron, which discussed the tank excavation and backfilling at the site in 1983. Please submit this letter before or with the submittal of the requested soil sampling plan.
Finally, per your conversation with Ms. Shin on March 24, 1992, it was established that an Unauthorized Release Report could not be found in your files or in our files, therefore, we will proceed to

fill out an Unauthorized Release Report form for your site.

Thank you for your cooperation. You may contact Juliet Shin at (510) 271-4320 with any questions or comments.

Sincerely,

Scott O. Seery, CHMM
Senior Hazardous Materials Specialist

cc: Eddy So, RWQCB

Gene Walker, Eden Consolidated Fire Dept.

Tom Berry
Weiss Associates
5500 Shellmound St.
Emeryville, CA 94608-2411

file

Chevron U.S.A. Products Company
2410 Camino Ramon, San Ramon, California • Phone (510) 842-9500
Mail Address: P.O. Box 5004, San Ramon, CA 94583-0804

Marketing Department

92 MAR 31 PM 1:15

March 30, 1992

Ms. Juliet Shin
Alameda County Health Care Services
80 Swan Way, Room 200
Oakland, CA 94621

Re: Chevron Service Station #9-0504
15900 Hesperian Blvd., San Lorenzo

Dear Ms. Shin:

Enclosed, per your request, are copies of all reports documenting investigative activities prepared to date. If you have any questions in regards to the contents of these reports, please do not hesitate to contact me at (510) 842-9581.

Very truly yours,
CHEVRON U.S.A. PRODUCTS COMPANY

Nancy Vukelich
Site Assessment and Remediation Engineer

Enclosure

cc: File (9-0504-5)

Weiss Associates
Environmental and Geologic Services
5500 Shellmound Street, Emeryville, CA 94608-2411 Fax: 510-547-5043 Phone: 510-547-5420

FAX TRANSMITTAL

DATE: 4/4/92

TO: Juliette Shin FAX PHONE: 569-4757

COMPANY: DOHS, Alameda Co. BUSINESS PHONE: 271-4530

FROM: DAVID BELL PROJECT #: 4-551-80

SUBJECT: SAN LORENZO, CHEVRON GAS STATION

PAGES (including this cover)

☐ Hard Copy to follow if checked

COMMENTS & ACTIONS REQUIRED:

NOTE: Please call _____ at (510) 547-5420 if you do not receive all pages

WEISS ASSOCIATES
Geologic and Environmental Services
Fax: 415 547-5043 Phone: 415-547-5420
5500 Shellmound Street, Emeryville, CA 94608

CONVERSATION CONFIRMER

FROM: DAVID BELL (Name)
WEISS ASSOC. (Address)
(City, State and Zip)

PROJECT: CHEVRON SAN LORENZO (Name)
15900 HESPERIAN BL. (Address)
SAN LORENZO, CA. (City, State and Zip)
4-551-80 (Project Number)

TO: JULIETTE SHIN (Name)
DEPT S, ALAMEDA CO. (Address)
HAYWARD (City, State and Zip)

This memorandum confirms the conversation of 6/4/92 (date the conversation) between DAVID BELL (insert name) and JULIETTE SHIN (insert name) in which it was said:

Juliette Shin

As per our conversation today, you said that the Health Services Department has no requirements for provision of a concrete containment pad to support ground water remediation equipment at the above referenced site.

The attached drawing shows where such a containment pad is used. On behalf of Chevron Products, Weiss Associates would like to know if such a pad could be omitted from the work plan.

The alternative to installing the concrete pad as shown is to place treatment system components directly on the asphalt driveway of the service station.

If you have any questions or comments, please feel free to contact me at my office.

David L. Bell

Design / Cost Estimator
Weiss Associates

Date: 6/4/92 (date phone/written)

Firm Name: WEISS ASSOC.

By: (signature of person sending confirmer)

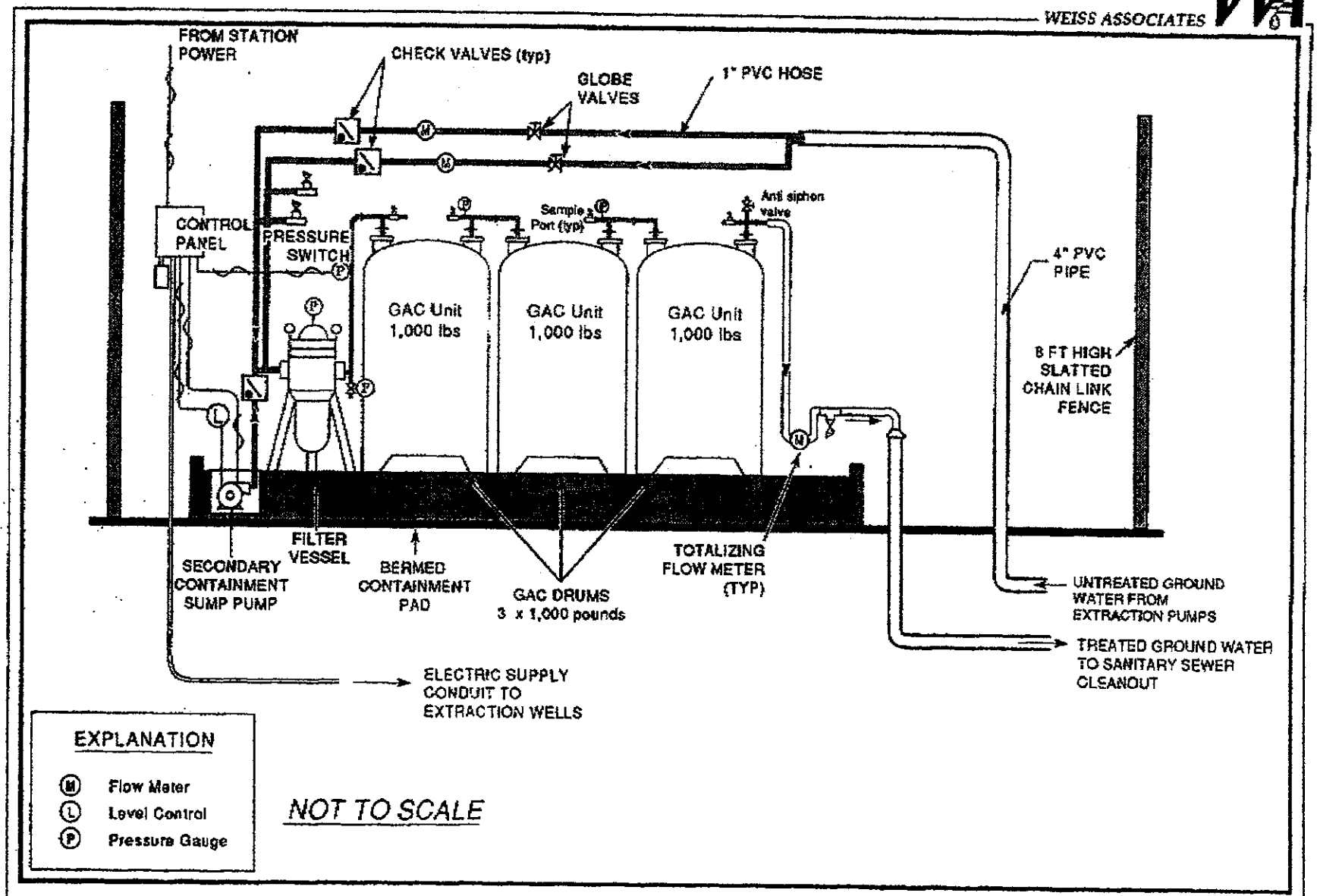


Figure 5. Proposed Ground Water Treatment System Schematic - Chevron Service Station #9-0504, 15900 Hesperian Boulevard, San Lorenzo, California

2/25/92

Chevron

Chevron U.S.A. Inc.
2410 Camino Ramon, San Ramon, California • Phone (510) 842-9500
Mail Address: P.O. Box 5004, San Ramon, CA 94583-0804

Marketing Department

December 30, 1991

Mr. Thomas Peacock
Alameda County Health Care Services
80 Swan Way, Room 200
Oakland, CA 94621

Re: Chevron Service Station #9-0504
15900 Hesperian Blvd., San Lorenzo

Dear Mr. Peacock:

This letter is in response to your letter dated December 4, 1991, requesting submittal of a Remediation Work Plan by January 4, 1992. You state in your letter that you do not feel that additional time is needed to study the referenced site further. We concur with this statement. In a letter to Ms. Evans dated November 18, 1991, concentrations in monitor wells C-1 and C-2 reduced from 37,000 and 1,200,000 ppb to 3,200 and 4,900 ppb, respectively since the March, 1991, sampling event. These wells were redeveloped in September, 1991. The mechanical action of redevelopment may have removed small residual pockets of separate-phase hydrocarbons trapped in the well sand packs and adjacent soils which might have contributed to the high concentrations previously detected. The recommendation to reevaluate the remedial approach for two additional quarters was to see if a trend of decreasing concentrations was being established or if the September results were anomalous. However we determined that we should not wait an additional two (2) quarters as hydrocarbon contaminants have migrated off-site. Weiss Associates was instructed to perform a pump test and evaluate the data collected for the potential effectiveness of on-site ground water extraction and assess if the contaminants off-site would be influenced by on-site pumping. Allowing for the holidays, the test has been scheduled for January 22, 1992.

Chevron is requesting an extension to the requested submittal date to be effective January 4, 1992 and to terminate on March 15, 1992. This extension is being requested to allow us sufficient time to complete the pump test and to evaluate the data. A report documenting the results of the test will be prepared and forwarded to you in conjunction with our proposed recommended corrective action approach.

If you have any questions or comments, please do not hesitate to contact me at (510) 842-9581.

Very truly yours,
CHEVRON U.S.A. INC.

Nancy Vukelich
Environmental Engineer

Enclosure

cc: Mr. Eddy So, RWQCB-Bay Area
Ms. B.C. Owen
Mr. W.T. Scudder
File (9-0504-2)

Mr. Bruce E. Prigoff, Esq.
Steefel, Levitt & Weiss
One Embarcadero Center, 29th Floor
San Francisco, CA 94111

Chevron U.S.A. Inc.
2410 Camino Ramon, San Ramon, California • Phone (415) 842-9500
Mail Address: P.O. Box 5004, San Ramon, CA 94583-0804

Marketing Department

91 JUL 26 PM 12:47

July 23, 1991

Called Nancy - voicemail - 8-7-91

Ms. Pamela Evans
Alameda County Environmental Health
80 Swan Way, Room 200
Oakland, CA 94621

Re: Chevron Service Station #9-0504
15900 Hesperian Boulevard, San Lorenzo

Dear Ms. Evans:

Enclosed we are forwarding the Site Update Report dated July 18, 1991, conducted by our consultant GeoStrategies, Inc. for the above referenced site. As indicated in the report, groundwater samples collected were analyzed for total petroleum hydrocarbon as gasoline (TPH-G) and BTEX. Non-detectable to low levels of Benzene was reported in all monitor wells with the exception of monitor well C-2 which reported Benzene at a concentration of 3500 ppb. Depth to groundwater was measured at approximately 13-feet below grade, and the direction of flow is to the south-west.

We are currently evaluating the groundwater data collected to date. A work plan will be prepared presenting our proposal for the appropriate remedial action. asked for date on this ↑. Inquired whether Sept. is still proposed time frame for installation of remediation system

Chevron will continue to monitor this site and report findings on a quarterly basis.

If you have any questions or comments please do not hesitate to contact me at (415) 842-9581.

Very truly yours,
CHEVRON U.S.A. INC.

Nancy Vukelich
Environmental Engineer

Enclosure

cc: Mr. Rich Hiett, RWQCB-Bay Area
Ms. Bette Brummett-Owen
File (9-0504Q2 Listing)

Mr. Bruce E. Prigoff, Esq.
Steefel, Levitt & Weiss
One Embarcadero Center, 29th Floor
San Francisco, CA 94111

R007

Meeting w/ RWQCB 2/91

3701 Broadway, Oakland: Free product reported in 01/84. Old tanks removed in '84, replaced with fiberglass, since removed. Letter from Chevron requesting permission to install extraction system off site. No proposal submitted to the Regional Board.

4265 Foothill Blvd., Oakland: Free product site in 1986. No action to date for FP removal.

4300 Macarthur Blvd., Oakland: 140,000 ppb TPH in GW. Monitoring only.

4904 S Front Blvd., Oakland: Free product site, Air stripper along with a dual phase oil/ water separator was proposed in 1985. The current status of this site and cleanup effectiveness, are unknown.

600 Dutton Ave., San ~~Lorenzo~~ Leandro: 11,000 ppb TPH in GW, as of 06/01/88. No further action is proposed. Soil = N.D. - MW-3 1 ppb = B MW1 = 6 ppb (Tanks removed 8/88) MW-2,3,4 abandoned - N.D. in 2 sampling events - MW-1 11/88 ND benzene - closure req. in 1989

609 Oak St., Oakland: Free product discovered in 1983. Current levels of GW contamination at 10-44,000ppb. Plume is not delineated, current strategy is monitoring only. Plume has migrated off site.

850 W Grand, Oakland: 10/10/84 Free product discovered. Soil gas survey completed in 1988. Wells on site have been destroyed and there is a proposal to replace those wells destroyed with off site wells. Nothing regarding free product removal has been submitted to the Regional Board or proposed.

actual location? x street? 15002 Hesperian Blvd., San Leandro (Lorenzo): 40,000 ppb TPH. Another site proposing to " monitor the natural degradation of hydrocarbons in ground water". 10/90 2100 ppb TPH, 6 ppb - B

5669 Crow Canyon Rd., Castro Valley: 1.1' of free product found in 05/85. Removal system was discharging 100 ppb TPH of contaminated ground water to the storm system under an NPDES waiver, until the NPDES system could be implemented at the Regional Board. Consultants recommended that Chevron apply for an NPDES permit in 09/87. Tanks were removed in 1990 and the system was temporarily shut down. NPDES permit?

How long do you typically monitor a site before getting enough info to implement remediation

15900 Hesparian Blvd., San Lorenzo: Free product site 07/89. Currently monitoring free product levels on site. N.D. wells almost surround site. Apparently close to having plume delineation - Chevron says they will gather data for another 6 months - state they cannot say what type of remediation system they will use. Plan implementation of RS by 9/91 - subject to permits - have you begun to ~~ano~~ what permits will be needed? (Sanitary NPDES) ~~How~~ long has it taken to get these, in past experience? Since expect to be on line by 9/91. How often monitoring - ~~12~~/89 → 9/90

NPDES Permit - sets 50 ppb TPH, 5 ppb for others limits on constituents being discharged

To: LF
From:RCH

02/14/91

Re: Meeting with Chevron to discuss some Free product, high dissolved concentration cases in Alameda County

Site summaries according to information available in Regional Board Files:

1395 7th Street , Oakland:Station closed 10/83 after a leak was reported in one of the 20 year old tanks. 5" of free product was found in the tank backfill well. "No free product due to bailing"-Chevron letter 1985. Current status: No monitoring, no interim remediation, no proposals for future actions.

1. 16304 Foothill Blvd., San ~~Lorenzo~~ Leandro: Discovered 01/87, free product to 1.5' in depth. Interim remediation system proposed in 03/15/90 cover letter. Description of system (P&T, vapor extraction, etc.) not included.No remediation system design submitted to Regional Board. Delays in implementation due to problems of installation of oil/water separator. Walt Poslusny

1633 Harrison St.,Oakland: Reported 06/88, TPH in soil at 50,000ppm, 10,000ppb in GW, 570 ppb B in GW. Location next to Lake Merrit, with GW gradient towards the Lake. Status: still awaiting off site permits.

2416 Grove Way, Castro Valley: Reporting date 09/89. 1' of free product on site. " High dissolved concentration and free product have been identified on site for 3.5 years"-ACHD letter to Chevron. Adjacent properties owned by the Alameda County Public Works Project, scheduled to begin in 1991, could cause possible encroachment problems for delineation and remediation including the destruction of wells. ACHD letter of 03/05/90 very explicitly stated County concerns in this matter. At present one well C-1 is being pumped on a monthly basis.

2681 Fruitvale Ave., Oakland: Free product discovered in 11/82! A ground water P&T system was proposed in 06/90 pending an NPDES application. No application has been filed with the Regional Board. "In order to track the natural degradation of hydrocarbons in ground water ... Chevron will continue to monitor on a quarterly basis"-Lisa Backlund, Chevron 10/23/90.

301 14th St., Oakland: Free product site. 09/04/90 ACHD letter suggests well pumping to remove free product. As of 09/90 a permit for an extraction well is being pursued. Outcome?

340 Highland Ave., Piedmont: Free product site. No LIA letters regarding this site. Well proposal only. Larry Seto mentioned that this site had transferred hands, and that the new owner was unaware that contamination existed on site.

Chevron U.S.A. Inc.
2410 Camino Ramon, San Ramon, California • Phone (415) 842-9500
Mail Address: P.O. Box 5004, San Ramon, CA 94583-0804

91 JAN -8 AM 11:30

Marketing Operations

D. Moller
Manager, Operations
S. L. Patterson
Area Manager, Operations
C. G. Trimbach
Manager, Engineering

January 3, 1991

Ms. Pamela J. Evans
Alameda County Environmental Health
80 Swan Way, Room 200
Oakland, CA 94621

Re: Chevron Service Station #9-0504
15900 Hesperian Boulevard
San Lorenzo, CA

Dear Ms. Evans:

This letter is in response to your letter dated November 28, 1990, concerning the development of a remediation plan for the above referenced site.

The groundwater monitoring wells at the site are currently being monitored weekly and sampled quarterly. Separate-phase hydrocarbons, if present, are being bailed from the wells during the weekly monitoring visits. Depth to groundwater levels and separate phase hydrocarbon thickness will be compiled into a historical data base. After appproximately six (6) months of monitoring the site, an evaluation will be made as to the appropriate remediation system. Details concerning the type of remediation system and its location cannot be adequately addressed at this time. Attached is a time schedule for this data collection, design and installation of a remediation system.

Enclosed is a check for $500.00 to cover Alameda County Health Care Services oversight costs per your request.

Meeting between ACHD, RWQCB, + N. Vukelich of Chevron on 2/14/91.
Plan quarterly monitoring - no delays anticipated on timetable.
Last monitoring - analysis - 12/90

If you have any questions or comments, please do not hesitate to contact me at (415) 842-9581.

Very truly yours,

By _____
Nancy Vukelich

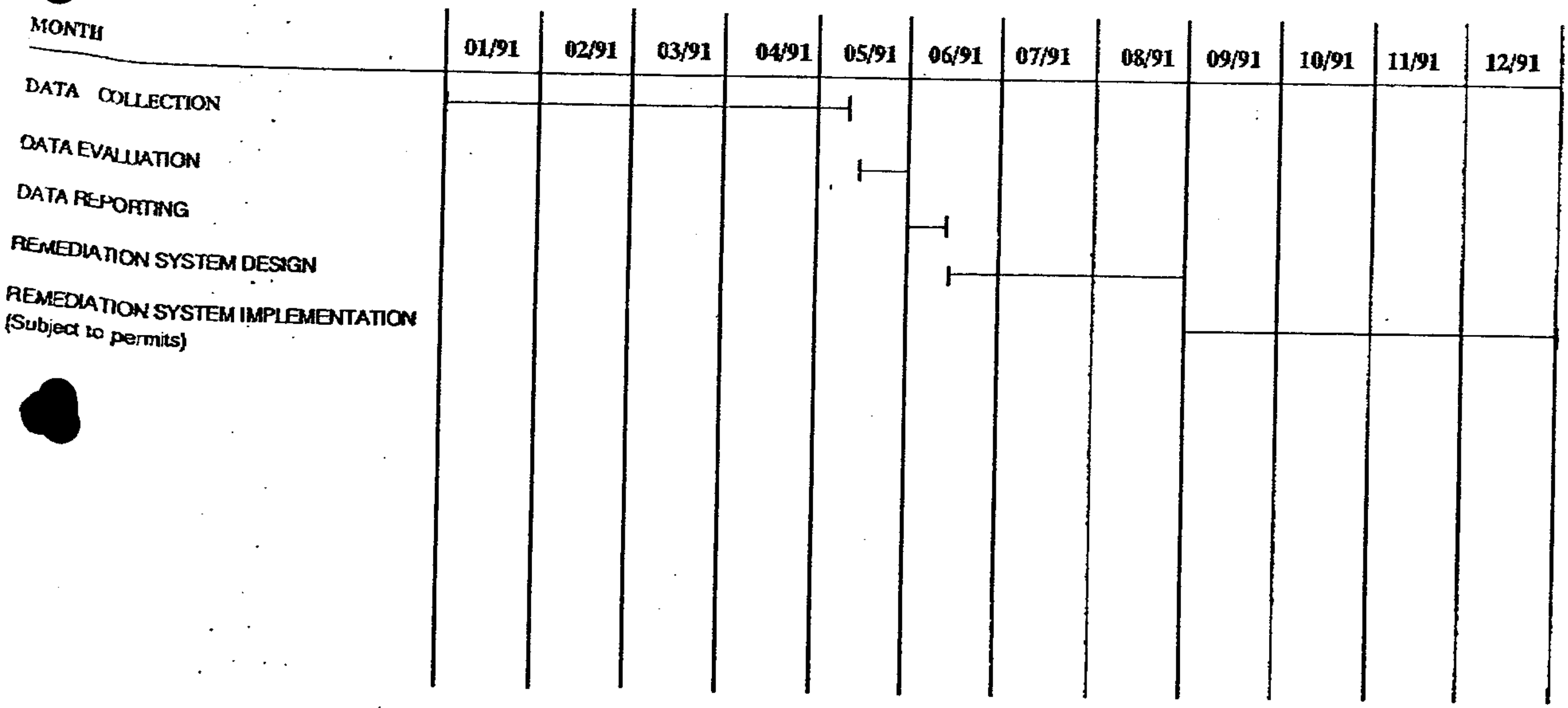
NLV/jmr
Enclosure

cc: Mr. Lester Feldman
RWQCB - Bay Area
1800 Harrison Street
Suite 700
Oakland, CA 94612

Mr. Bruce E. Prigoff, Esq.
Steefel, Levitt & Weiss
One Embarcadero Center, 29th Floor
San Francisco, CA 94111

B.C. Brummett-Owen
Chevron Property Management Specialist

TIME SCHEDULE



—) where approximate

ALAMEDA COUNTY
HEALTH CARE SERVICES
AGENCY
DAVID J. KEARS, Agency Director

DEPARTMENT OF ENVIRONMENTAL HEALTH
Hazardous Materials Program
80 Swan Way, Rm. 200
Oakland, CA 94621
(415)

November 28, 1990

C. G. Trimbach
Chevron U.S.A. Inc.
P.O. Box 5004
San Ramon CA 94538-0804

RE: Chevron Station #9-0504, 15900 Hesperian Blvd., San Lorenzo

Dear Mr. Trimbach:

I have reviewed the recently submitted Interim Remediation Report (11/15/90) and Well Installation Report (10/19/90), as well as other past submissions relating to the above site. Based on GeoStrategies Inc. recommendation, you have proposed a program of weekly groundwater well monitoring (examination for floating product and depth to groundwater) and quarterly groundwater sampling in order to generate a sufficient data base to develop a remediation plan. The proposal is acceptable to this office.

In addition, you must submit a written timetable defining the time period you believe is needed for data gathering as well as the date by which you will have a remediation system in place. Please also describe the type of remediation system you plan to install and the manner in which contaminated bailings will be handled. Submit your timetable and system description **no later than December 31, 1990.** You will be expected to have your system installed within approximately one year.

In order to cover this agency's oversight costs for this project, you are required to submit a check for $500.00, payable to County of Alameda, to this office. You may contact me with any questions regarding the above requirements at 271-4320.

Sincerely,

Pamela J Evans

Pamela J. Evans
Hazardous Materials Specialist

Call from Jeff Ryan, Gettler Ryan - people involved have been on vacation - need extension to 1/11/91. OK PE

c: Richard Hiett, Regional Water Quality Control Board
Nancy Vukelich, Chevron U.S.A. Inc
Christopher M. Palmer, GeoStrategies Inc.
Kevin McGraw, Geostrategies Inc.
Gettler-Ryan Inc.

Chevron U.S.A. Inc.
2410 Camino Ramon, San Ramon, California • Phone (415) 842-9500
Mail Address: P.O. Box 5004, San Ramon, CA 94583-0804

Marketing Operations

D. Moller
Manager, Operations
S. L. Patterson
Area Manager, Operations
C. G. Trimbach
Manager, Engineering

November 16, 1990

Mr. Rafat Shahid
Alameda County Environmental Health
80 Swan Way, Room 200
Oakland, CA 94621

Re: Chevron Service Station #9-0504
15900 Hesperian Boulevard
San Lorenzo, CA

Dear Mr. Shahid:

Enclosed we are forwarding the Well Installation Report dated October 19, 1990, and the Interim Remediation Report dated November 15, 1990, both conducted by our consultant GeoStrategies, Inc. at the above referenced site.

The Well Installation Report documents the installation of three (3) groundwater monitoring wells. Analytic results of all soil borings showed no detectable hydrocarbon contaminants with the exception of boring C-7 and C-8 which detected TPH-Gasoline at the groundwater interface at levels 4.0 and 37 ppm, respectively. Groundwater analysis is detecting hydrocarbon contamination in Monitoring Wells C-3, C-6, C-7, and C-8. Separate phase hydrocarbon was observed in Monitoring Wells C-1 and C-2 at a measured thickness of .03 and .1 feet, respectively.

The Interim Remediation Report describes the current interim remediation being conducted at the above referenced site. Presently, all monitoring wells are being examined for the presence of separate phase hydrocarbons on a weekly basis. Monitoring wells which exhibit separate-phase hydrocarbons are bailed during this inspection. Based on the low permeable geology and the flat gradient that exists beneath the site it is GeoStrategies, Inc. opinion that plume migration is surmised to be slow.

Based on this information, it is GeoStrategies, Inc. recommendation to continue weekly monitoring and quarterly chemical analysis of the wells to collect data and build a site database. When sufficient data has been collected it will be evaluated and the appropriate remedial action will be implemented.

If you have any questions or comments please do not hesitate to call Nancy Vukelich at (415) 842-9581.

Very truly yours,
C.G. Trimbach

By _____
Nancy Vukelich

NLV/jmr
Enclosure

cc: Mr. Lester Feldman
RWQCB - Bay Area
1800 Harrison Street
Suite 700
Oakland, CA 94612

Mr. Bruce E. Prigoff, Esq.
Steefel, Levitt & Weiss
One Embarcadero Center, 29th Floor
San Francisco, CA 94111

B.C. Brummett-Owen
Chevron Property Management Specialist

? New Cox
Co=01

SH

Chevron U.S.A. Inc.
2410 Camino Ramon, San Ramon, California • Phone (415) 842-9500
Mail Address: P.O. Box 5004, San Ramon, CA 94583-0804

JUL 21 1989

QUALITY CONTROL BOARD

Marketing Operations

D. Moller
Manager, Operations
S. L. Patterson
Area Manager, Operations
C. G. Trimbach
Manager, Engineering

July 13, 1989

Regional Water Quality Control Board
San Francisco Bay Region
1111 Jackson St. - Rm. 6040
Oakland, California 94607

Attention: Mr. Scott Hugenberger

Reference: Chevron Service Station #0504
15900 Hesperian Blvd./Post Office Rd.
San Lorenzo, California

Gentlemen:

Enclosed is the Gettler-Ryan Inc. report, dated June 27, 1989, presenting the analytical results of the groundwater sampling conducted at the referenced location.

The existing wells were installed in 1983 in response to a leak discovered in an underground gasoline storage tank. The tanks were replaced and floating product was not observed in any of the monitoring wells. This sampling program was initiated in order to re-evaluate the site condition.

As indicated in the report, all water samples were analyzed for low-boiling hydrocarbons (gasoline), benzene, toluene, ethyl benzene and xylenes, and in addition, well #4 was analyzed for high-boiling hydrocarbons (oil). Hydrocarbon constituents were detected in the groundwater samples from wells #1, #2 and #3. Volatile hydrocarbons due to gasoline ranged from 130,000 micrograms per liter (ug/L) in well #2 to none detected in wells #4 and #5. Benzene ranged from 14,000 ug/L in well #2 to none detected in wells #4 and #5.

Chevron U.S.A will continue sampling this site on a quarterly basis. In addition, we will direct our consultant to calculate the groundwater flow direction beneath the site. This information will be used to determine our next appropriate action.

Should you have any questions or comments, please do not hesitate to call John Randall at (415) 842-9625.

I declare under penalty of perjury that the information contained in the attached report is true and correct, and that any recommended actions are appropriate under the circumstances, to the best of my knowledge.

Very truly yours
C. G. Trimbach

by John Randall
John Randall, Engineer

JMR/elm

enclosure

cc: Mr. Rafat Shahid, County of Alameda Environmental Health

DATE:

TO : Local Oversight Program

FROM:

SUBJ: Transfer of Elligible Oversight Case

Site name: Chevron 9-0504

Address: 15900 Hesperian Blvd city San Lorenzo zip 94580

Closure plan attached? Y (N) DepRef remaining $ 306.86

DepRef Project # 3086A STID #(if any) 776

Number of Tanks: 5 removed? ~~No~~ (Y) ~~N~~ Date of removal ~~~~ or 1983

Samples received? (Y) N Contamination: Soil + GW - Floating product or conc > 100,000 PPB TPH in some wells.

Petroleum Y N Types: Avgas Jet (leaded) (unleaded) Diesel
fuel oil waste oil kerosene solvents

Monitoring wells on site 11 Monitoring schedule? (Y) N Quarterly

LUFT category 1 2 (3) * H S C A R W G O discovery: Dec 1, 83

Briefly describe the following:

Preliminary Assessment They have defined the plume with 11 MWs

Remedial Action None -

Post Remedial Action Monitoring

Enforcement Action They have been informed by this office that a remediation system is to be in place by the end of 1991. They submitted a timetable in 1/91 that gave 9/91 as a date by which they would have a remediation system in place. Since fall of 1990 Chevron has been saying that they need to gather additional gw data prior to designing a remediation system. Their latest correspondence, dated 10/28/91, echoes this familiar theme. . .

Pam